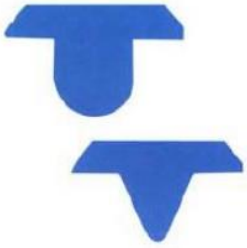
IMPACT SPECIMEN NOTCH PROJECTOR IMP/PRO-200

APPLICATION

Model IMP/PRO-200 projector amplifies and projects the U or V-shaped profiles of the measured parts to the screen to check their profiles and shapes with high accuracy utilizing the optical projection method. It is widely used to check the U and V-shaped notch impact specimen. It features in easy operation, simple structure, direct inspection and high efficiency.





Notch shape

TECHNICAL SPECIFICATION

- Screen diameter: 180mm.
- Working table: square shape 110x 125mm,round shape 90mm.
- Glass diameter of working table: 70mm.
- Working table travel (LxWxH):Longitude: ±10mm,Latitude: ±10mm, Rise and fall: ±12mm
- Rotating range of round working table: 0-360 degree.
- Magnifications: 50X.
- Objective magnification: 2.5X.
- Projection objective magnification: 20X.
- Eye-field diameter: 3.8mm.
- Working distance: 22.89mm.
- Light source: tungsten lamp 12v 100W.
- Dimensions: 515x224x603mm.
- Weight: approx. 20kg.

IMPACT SPECIMEN V-NOTCHER ISV-25

APPLICATION

Impact specimen v-notcher is necessary impact test machine impact test machine toughness test non-metallic materials used in the sample preparation equipment notched specimens. The equipment is widely used in scientific research institutes、colleges , non-metallic materials factories and laboratory of other units preparation of notched specimens. Impact specimen v-notcher design and manufacture according to ISO179,ISO 180, ,it is a kind of specimen preparation equipment with simple structure, convenient operation, fast and accurate .



TECHNICAL SPECIFICATION

Type A: 45°±30″ r=0.25±0.025mm
Type B: 45°±30″ r=1.0±0.025mm
Type C : notch width. 2±0.1mm r≤0.1mm
Size: 500mm×200mm ×300mm

STANDARD DELIVERY

1. Main frame
2. Within six angle spanner
3. Knife (A B C type)
4. User Manual

Net weight:10Kg gross weight: 15Kg.

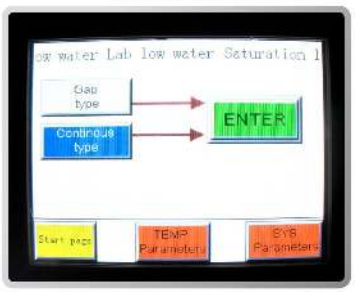
SALT SPRAY CHAMBER



The Salt Spray Chamber are specialized to test the performance of the products for its surface of various materials after treatment of corrosive protection by means of painting, coating, galvanizing, anodizing and of lubricant.

- Comply to international standards: ISO3768, 3769, 3770, 9227, ASTM B117, B268,JIS Do201, H8502, H8610, K5400, Z2371,
- Capacity: 110, 270, 480, 640L optional





FEATURES

- With LCD touch screen controller operation, PID control with 0.1C precision
- Auto water supply when the water is too low
- Precise Pyrex it falls on the surface of the products being tested the difference of fallen mist preese pyrex guarantees no crystallized salt
- With double over-heat protect and water low alert to ensure safety
- With timer control
- With thermometer
- Spray tower with cone sprayer, to direct fog, regulate fog amount make the fog dispersing evenly
- Hanter principle is used to make the saturated air hot and moist to keep the humidity in the test chamber
- Testing NSS,CASS,AASS

TECHNICAL SPECIFICATION

Mode	SS108L	SS270L	SS480L	SS800L	SS1440L
Inside Dimensions(mm)	600x450x400	900x600x500	1200x850x500	1600x1000x550	2000x1200x600
Outside Dimensions(mm)	1130x630x1070	1460x910x1280	2200x1200x1450	2600x1450x1550	3000x1650x1600
Chamber Volume	108L	270L	480L	800L	1440L
Saline Box Capacity	15L	25L	40L	40L	40L
Testing Temperature	NSS ACSS 35℃±1℃/ CASS 50℃±1℃				
Air Temperature	NSS ACSS47℃±1℃/CASS 63℃±1℃				
Accuracy of Temperature	±1℃				
PH Value	NSS ACSS:6.5~7.2 / CASS:3.0~3.2				
Supply Power	AC220V/50Hz AC110V/60Hz 1Φ20A		AC 220V/50HZ AC110V/60HZ 1Φ30A		

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PROGRAMMABLE HIGH & LOW TEMPERATURE CHAMBER

FEATURES

■ The box body is processed shape using CNC machine tool, beautiful appearance,and uses no reaction door handles, easy to operate, safe and reliable.
■ Adopted built-in fluorescent lamp,the rectangular viewing window consists of glass with a heat generator,which prevents blur and saves wiper operation so that you can always observe the test under the best conditions.
■ Available in Chinese and English LCD touch screen,easy operation and program.
■ Able to display the relative data and information of the whole operating system in running monde,graphic display,precautions,maintenance and trouble shooting.
■ The siracco fan motor provides greater cyclic airflow to avoid dead corner in the chamber,so as to obtain a uniform distribution of temperature and humidity.
■ The heating, cooling system completely independent can improve efficiency, reduce cost of test , increase life expectancy and reduce the failure rate.



TECHNICAL SPECIFICATION 0~ +100 (150℃)

Model No.		PHL-80A	PHL-150A	PHL-225A	PHL-416A	PHL-800A	PHL-1000A
Interior dimensions (mm)	W	400	500	500	700	1000	1000
	H	500	600	750	850	1000	1000
	D	400	500	600	700	800	1000
Exterior dimensions (mm)	W	930	1030	1080	1230	1530	1530
	H	1310	1410	1620	1660	1810	1810
	D	910	1010	1220	1410	1610	1510
Interior Volume(L)		80	150	225	416	800	1000
System		Balanced Temperature Control System					
environment temp.&humi.range		+5℃ ~ +35℃ / <85%RH					
Temp.range		-0℃ ~ +100（150℃） （A=0℃ B=-20℃ C=-40℃ D=-70℃ optional）					
Temp.fluctuation		≤0.5℃					
Temp.uniformity		≤2.0℃					
Temp.stability		±0.2℃					±1.5℃
Heating up time		0℃ ~ +100℃ within 20 min					
Pull down time		20℃ ~ 0℃ within 20 min					

Power	AC220V/380V、50/60HZ
Exterior material	Cold rolled plate paint
Interior material	Stainless steel plate
Insulation	Polyurethane;fire retardant;100k insulation rockwool
Refrigeration system	Hermetic compressor, single stage refrigeration system
Heating system	Stainless steel thermal heaters
Controller	TEMI-880 Touch panel
Safety devices	Overheat protector,Over voltage and phase shift protector,Compressor overload and high pressure protector,Buzzer alarm
Accessories	Viewing window,Chamber lamp,Cable port ø50mm,Stainless steel netting bracket 2sets

TECHNICAL SPECIFICATION -20~ +100 (150℃)

Model		PHL-80B	PHL-150B	PHL-225B	PHL-416B	PHL-800B	PHL-1000B
Interior dimensions (mm)	W	400	500	500	700	1000	1000
	H	500	600	750	850	1000	1000
	D	400	500	600	700	800	1000
Exterior dimensions (mm)	W	930	1030	1080	1230	1530	1530
	H	1310	1410	1620	1660	1810	1810
	D	810	910	1120	1210	1310	1510
Interior Volume(L)		80	150	225	416	800	1000
System		Balanced Temperature Control System					
environment temp.&humi.range		+5℃ ~ +35℃ / <85%RH					
Temp.range		-20℃ ~ +100（150℃）					
		（A=0℃ B=-20℃ C=-40℃ D=-70℃ optional）					
Temp.fluctuation		≤0.5℃					
Temp.uniformity		≤2.0℃					
Temp.stability		±0.2℃					±1.5℃
Heating up time		-20℃ ~ +100℃ within 35 min					
Pull down time		20℃ ~ -20℃ within 45 min					

* At 20℃ Cambient temperature or 25℃ water temperature and non-loaded.
* The sensor should be located at a distance of 1/6 of the interior dimension from the interior chamber wall.
* The above specifications are for reference only,the actual specifications for the main quotaion.
* Can according to customer requirements of size, special order

MOONEY VISCOMETER MV-300

Introduction

MV-300 Mooney Viscometer viscosity for rubber vulcanization index determination. Sample in a certain temperature and pressure, the rotor to a certain degree of rotation torque on the sample to a certain degree of shear stress, measure out the rubber anti-shear torque. Is reclaimed rubber, rubber, wire and cable industry indispensable instrument.



International standards

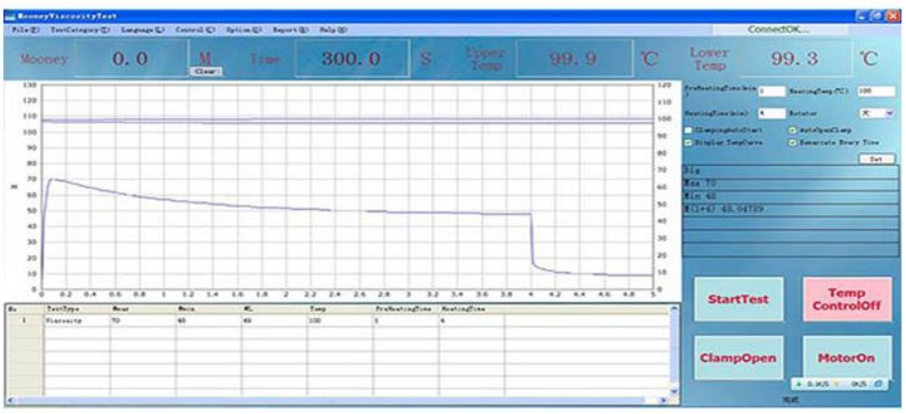
SO 289:2018, ASTM D 1646, ASTM D 3346 DIN 53523, BS 903: Part 58,
AFNOR T43-00/005, BS 1673, GOST 10722-76, JIS K6300, TGL 25-689

Applicable industry

Applied to rubber, tires, reclaimed rubber factory.

TECHNICAL SPECIFICATION

Model No.	MV-300
Control temperature range	Normal temperature~200℃
Temperature display resolution	0.01℃（0.1 ℃ common type of imported temperature controller temperature）
Temperature control accuracy	±0.3℃
Calibration accuracy	Mooney value ±0.5
Rotor speed	2 rotation/ min ±0.02rotation/ min
Torque range	Mooney value 0～200
Torque resolution	Mooney value 0.1
Print content	Date, time, temperature, Mooney scorch curve and MV,T5,T35,T3,T18,@15,@30
Power	50HZ, ～220V±10％



MOVING DIE RHEOMETER MDR-300

Introduction

MDR-300 Moving die rheometer is a widely used tester in rubber processing industry, rubber quality control and basic research rubber, For optimize formula of rubber provide accurate data, It can accurately measure the scorch time, rheometer time, sulfide index, the maximum and minimum torque and other parameters.



Functions

MDR-300 Moving die rheometer used monolithic rotor control, which include: host, temperature measurement, temperature control, data acquisition and processing, sensors and electrical chains and other components. These measurements, temperature control circuit consists of a temperature control device, platinum resistance, heater composition, capable of automatic tracking power and ambient temperature changes, automatically correct PID parameters to achieve fast and accurate temperature control purposes. Data acquisition system and mechanical linkage to complete the rubber vulcanization process of force torch signal automatic detection, automatic real-time display of temperature and settings. After curing, automatic processing, automatic calculation, print vulcanization curve and process parameters. Show curing time, curing power Ju, also has a variety of audible alert.

MDR-300 Moving die rheometer controlled by computer, the computer setting the parameters of the direct control of test parameters rheometer. Display real-vulcanization curve and temperature curve, store test results, different adjustable comparison of test results and in a different color.

Features

1. This instrument is really confined mold cavity, and the United States Alpha (formerly Monsanto) has done. Repeatability, and test data comparable with the Alpha. At the international leading position in the same industry.
2,.The instrument development platform based on large databases, temperature control devices using the software to directly control and collection and processing. Instrument to overcome the general curing temperature of the shortcomings of using temperature controller (accuracy poor). The technical leadership of international new trend.
3. This instrument has statistics, analysis, storage and comparison functions. Humanized design, easy to operate
4. Using imported high-precision sensors

The rubber sample into the mold cavity is almost entirely enclosed and maintained at test temperature, the mold cavity are of two parts, of which the lower part with a small linear reciprocating movement (swing oscillation), oscillatory shear specimen produced strain determination is the reaction torque of the mold cavity (force), this torque (force) depends on the shear modulus of rubber.

Curing test specimens after the start of the shear modulus increases, the computer machine real-time display and record the torque (force), when the torque (force) rose to a stable value or the maximum as well as return to the state, they get a torque (force) and time curve, that is, curing curve (Figure 1), shape of the curve and test the temperature and plastic material characteristics.



Applicable industry

Widely used in rubber products industries.

International standards

ISO 6502,ASTM D5289,DIN 53529 etc

TECHNICAL SPECIFICATION

Model No.	MDR-300
Temperature	room temperature to 200 Centigrade
Heating-up	10 Centigrade/min
Temperature fluctuation	≤ ±0.3 Centigrade
Temperature resolution	0.01 Centigrade
Torque range	0-5N.M,0-10N.M,0-20N.M
Torque resolution	0.001NM
Torque unit selection	N.m、N.cm、N.inch、kN.m、kN.cm、kN.inch、kg.m、kg.cm、kg.inch、lp.m、lp.cm、lp.inch、g.m、g.cm、g.inch
Temperature recovery time after clamping	< 1.5min
Temperature unit	C (degrees Celsius), F (Fahrenheit), K (Kelvin)
Power	50HZ, ~220V±10%
Pressure	About 0.4Mpa
Cavity pressure	1000kg-1200kg
Air-pressure requirement:	0.5Mpa--0.65MPa (user prepare the dia 8 trachea)
Environment temperature	10 Centigrade--20 Centigrade
Humidity range	55--75%RH
Compressed air	0.35-0.40Mpa
Swing frequency	100r/min(about 1.67HZ)
Swing angle	±0.5 Centigrade ,±1 Centigrade ,±3 Centigrade
Printing	Date,time,temperature,vulcanization curve,temperature curve,ML,MH,ts1,ts2,t10,t50,Vc1,Vc2.
Dimension	530X660X1200mm
Weight kg	GW:300KG NW:250KG

PRIDE®

DIGITAL MEASURING PROJECTOR
VERTICAL VIDEO PROJECTOR
MANUAL VISION MEASURING MACHINE
AUTO VISION MEASURING MACHINE
STEREO MICROSCOPE
VIDEO MICROSCOPE
PORTABLE MEASURING MICROSCOPE
SURFACE MICROSCOPE
SCALE LOUPE
USB DIGITAL MICROSCOPE
LED MAGNIFYING LAMP
LINEN TESTER
DIAMOND LOUPE
FOUR ZONE MICROSCOPE RING LIGHT
TOOLMAKER MICROSCOPE
ONE-BUTTON QUICK MEASURING SYSTEM



Ø300 DIGITAL MEASURING PROJECTOR PJ-350

FEATURES

- Use circular arc profile design, beautiful in appearance and easy to operate
- Use linear guide and non-interference nut on the up and down system, more stable and comfortable to use.
- Patent coating proces on the reflective mirror, better anti-dust performance .
- The light intensity is adjustable in high or low mode.to suit measuring requirements of different workpieces.
- Imported long-life halogen tungsten lamps are adopted to satisfy the requirement of long-time uses of the projector.
- Equipped with excellent optical system, the objectives are clear in imaging and accurate in magnification.
- With axial flow blower fans, the bilateral heat radiation provide super radiating power.



TECHNICAL SPECIFICATION

Projection Screen

■Screen diameter (mm) :Φ300
■Rotating range : 0° ~ 360°
■Resolution of the rotary angle : 1'
■Accuracy of the rotary angle : 6'

Illumination source

■Transmission illumination 12V 100W
■Reflecting illumination 24V 150W
■Dimension: 694 x 380x 1065(Lx Wx H)
■Environment requirements
Room temperature:20°C± 5°C
Relative humidity: 40%~70%
■Power Supply: AC 220V 50HZ
■Instrument weight:1 80kg



Objective

Magnification Power	10x (Standard)	20x (Optional)	50x (Optional)	100x (Optional)
Object Visual Field	Ø30mm	Ø15mm	Ø6mm	Ø3mm
Object Working Distance	75mm	69mm	44 mm	26mm
Errors of magnifying power	0.08%			

Worktable

Type	Small	L arge
Size of worktable	350x 202	400x 225
X and Y travel (mm)	150x 100	200x 100
Z- axis(Focusing)(mm)	0~90	
Resolution	1 um	
Accuracy of X and Y coordinate value	(3+L/75) um, of which,L=length of the work piece measured (unit:mm)	
Load capacity of the worktable	5kg	

Ø300 DIGITAL MEASURING PROJECTOR PJ-300

APPLICATION

Profile Projector PJ300 are precise and excellent non-contact optical measuring instrument integrated with the technology of optic, mechanic, electricity and computer. It is widely used at the field of mechanism, meter, electronic, rubber industry for quality control, it can inspect all kinds of surface and outline of complicated work-pieces, such as, cam, screw thread, gear, perform milling cutter and so on, and it is an effective metrical and analytic system for education, research institute and lab.

FEATURES

- 300mm diameter screen with digital protractor;
- Four size of precision movement stages;
- Double steel guide for stage lifting focus system;
- Halogen profile and surface illumination;
- Geometric multifunctional data processing system ;
- Available rotary table, edge detecting sensor, etc.



Reverse Image	PJ-300	PJ-310	PJ-320	PJ-330
Obverse Image	**PV-300**	**PV-310**	**PV-320**	**PV-330**
Metal Stage Dimension	340x152mm	230x230mm	350x170mm	350x170mm
Glass Stage Dimension	196x96mm	145x145mm	246x120mm	246x120mm
Stage Travel: X-axis	150mm	100mm	150mm	200mm
Stage Travel: Y-axis	50mm	100mm	100mm	100mm
Stage Travel: Z-axis	100mm(for focusing)	100mm(for focusing)	100mm(for focusing)	100mm(for focusing)
Accuracy	≤(3+L/75)um	≤(3+L/75)um	≤(3+L/75)um	≤(3+L/75)um
Screen	Screen Diameter :Ø312mm, Effective Range≥ Ø300(with" * "Reticle)			
	Rotary Range of Screen: 0~ 360°			
	Resolution Rotary Indicator: 1'or 0.01°			
Digital readout	DR 200 Multifunctional Data Processing System			
Resolution of X and Y-scale	0.0005mm			
Illumination	Surface and Contour Illumination:24V/150W halogen lamp			
Power	AC110V/60Hz; 220V/50Hz, 400W			
Cooling	Forced Cooling (3-axis-fans)			
Gross/Net Weight	200/150Kg	210/155Kg	225/165Kg	220/170Kg

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Ø400 DIGITAL MEASURING PROJECTOR PH-460

APPLICATION

PH-460 profile projector can test effectively profile, section and surface shapes of various complicated work-pieces, such as templates, punching pieces, cams, gears, forming cutters, mercerizes etc. it is widely used in workshops and measuring stations of those industries: machinery, instrument & meter, watch-making, mould and electron etc.



FEATURES

- It is a horizontal structure, so it is convenient to measure axial work-pieces, and it has a long working distance.
- The up and down movement system and work table transmission both adopt the imported V-style straight-line guide, so transmission is very smooth and comfortable.
- Two kinds of illumination systems (high and low levels) can meet Various illumination requirements of different work-pieces and materials.
- Reflecting illumination adopts fiber-optic transmission, so it has the characteristics of small volume, high-brightness and convenient operation.
- Worktable is made of aluminum alloy material, so it is very light.
- Image is clear and symmetrical.
- It is convenient to trim and file the templates, mould and axial work pieces on the worktable.
- Powerful built-out digital displayer is convenient for operation.
- Workable can deflect ± 15°, so it is available to measure screw angle work-pieces.

TECHNICAL SPECIFICATION

Projection Screen

- Screen diameter(mm): Ø400
- Rotary range: 0°-360°
- Rotary angle resolution: 1'
- Rotary angle accuracy: 4'

"L": measuring length ofwork-piece (Unit: M)

Worktable

- Size ofworktable(mm): 450 x 150
- X axis travel (mm): 0 ~ 250 Resolution: 0.001mm
- Z axis travel (mm): 0~150 Resolution: 0.001mm
- Y axis travel (mm): 0~80 (focusing)
- Load capacity:5kg
- Accuracy of X.Y axis: (3+L/75) μm
  of which, L = length of the workpiece measured (unit: mm)

Lighting source

Transmission lighting: 24V/150W
Indirect lighting: 24V/150W (with reflection cup)

Room temperature: 20°C±5°C
Relative humidity: 40~70%
Power:AC 220V 50HZ 110V 60HZ
Dimension:687×443×942(LXWXH)
Weight: 1350 kg

Objective

Magnification	10X (Standard)	20X (Optional)	30X (Optional)	100X (Optional)
View-field on object	Ø40mm	Ø20mm	Ø8mm	Ø4mm
Working distance	88mm	81mm	54mm	45mm
Magnification error	0.08%			

VERTICAL VIDEO PROJECTOR PV-500

FEATURES

- Solid framework, large LCD touch screen and advanced software
- High quality optics for crisp and clear images
- Excellent repeatibilty
- Adjustable LED illumination
- High resolution industrial CCD camera
- Lens changeable within the range of 20-120x magnification
- Easy to operate user interface
- Accuracy 0.0005mm
- Advanced functionallity such as quick measuring of correlative
- parameters of gear tapers
- Extended function of priniting ,saving and exporting data
- Excel or txt report ooutput, DXF inpput or output.



STANDARD DELIVERY

- Measuring Software QM2.0
- Calibration Block
- CCD Camera MC1
- Capture Card
- Zoom lems 0.7~4.5x
- LED Lightsource

Optional accessory

- CCD Camera MC3
- Pomeas detent zoom lens
- Working Cupboard

TECHNICAL SPECIFICATION

Model No.	PV-500	PV-520
(X/Y/Z)Measuring range(mm)	250x150x150	300X200X150
Machine dimension(mm)	650x800x1600	
Operation mode	Manual(with auto edge detection)	
Video device	1/3" color CCD camera,0.7-4.5x zoom lens	
Magnification	20-120X(it can extend to 240x)	
Screen dimension	19'' LCD touch-screen monitor	
Lens work range	95mm	
X,Y-axis resolution	0.0005	
Accuracy	≤(3+L/200)um	
Repeatability	5um	
Measuring software	QuickMeasuring 2.0	
Color CCD Camera	MC1	
Suitable environment	Workshop and Metrology room	
Stage load capacity	10Kg	
Power supply	110V/60Hz;220/50Hz	
Gross/Net Weight	220KG/150KG	

Accessories:

	1XCCD adapter(standard)		0.5XCCD adapter (option)		Working distance
Zoom lens	0.7 ~ 4.5X		0.7 ~ 4.5X		
Zoom lens	Digital magnification	Visual field	Digital magnification	Visual field	
0.5X(option)	15 ~ 95X	20 ~ 3.2mm	7.5 ~ 48X	40 ~ 6.4mm	175mm
1X(standard)	301 ~ 90X	10.6 ~ 1.6mm	15 ~ 96X	20 ~ 3.2mm	96mm
2X(option)	60 ~ 380X	5 ~ 0.8mm	30 ~ 190X	10.6 ~ 1.6mm	32mm

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HIGH ACCURACY MANUAL VISION MEASURING MACHINE

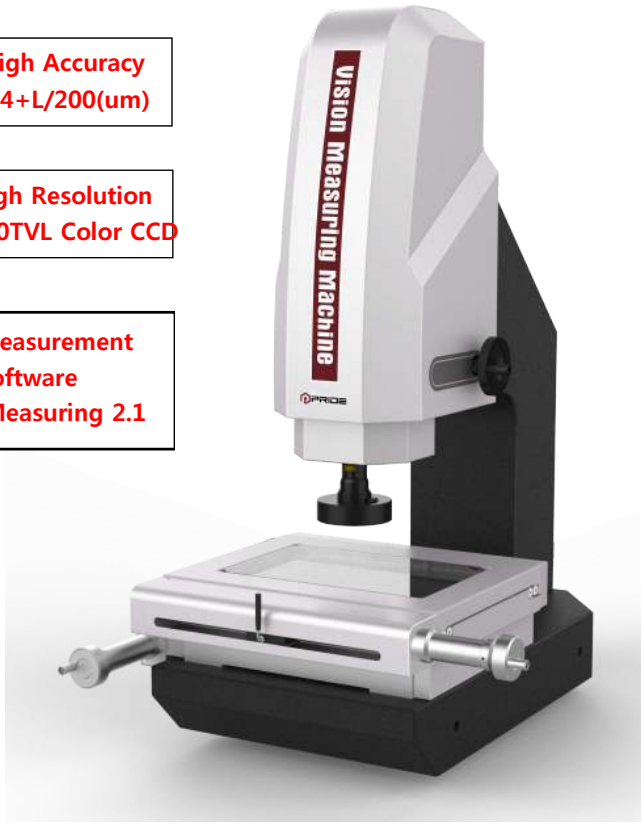
FEATURES

- High precision granite plate base and pillar, to ensure high stability and accuracy;
- High precision toothless rod and fast moving locking device, to ensure hysterisis erroris within 2um;
- High accuracy A grade optical linear scale with precision working stage, to ensure the accuracy is within 3+L/200um;
- High definitive detented zoom lens and high resolution color digital camera, to ensure clear image without distortion;
- With programmable surface 4-ring 8-division LED Cold Illumination and contour LED parallel illumination and internal intelligent light adjustment, it can automatic control the brightness in the 4-ring 8-division;
- Powerful function iMeasuring2.1 measuring software highly enhance the quality control situation;
- Optional imported contact probe and 3D measuring software which can update it to 3D Measuring machine;

High Accuracy
2.4+L/200(um)

High Resolution
700TVL Color CCD

Measurement Software
iMeasuring 2.1



TECHNICAL SPECIFICATION

Model No.	VMM-200	VMM-250	VMM-300	VMM-400	VMM-500
Metal Table	408x308mm	408x308mm	458x358mm	608x470mm	708x470mm
Glass Table	306x198mm	306x198mm	356x248mm	456x348mm	556x348mm
X/Y-axis Travel	200x100mm	250x150mm	300x200mm	400x300mm	500x400mm
Z-axis Travel	High-precision linear guide , working travel 200mm				
X/Y/Z-axis Travel	0.0005mm				
X/Y-axis Accuracy	**≤2.4+L/200(um)**				
Repeatability	2um				
Base and Pillar	High Accuracy Granite Plate				
Illumination System(Software	Surface: Stepless Adjustable 4-ring 8-division LED Cold Illumination				
	Contour: LED Parallel Illumination				
Adjustment)	LED Laser Navigation Lights [Optional]				
CCD Camera	High Resolution 700TVL Color CCD Camera				
Zoom lens	6.5X High Resolution Detented Zoom Lens				
	Magnification : 0.7X~4.5X ; Video Magnification : 26X~172X				
Working Environment	Temperature : 20℃±2℃, change range < 2℃/hr				
	Humidity : 30% ~80%RH				
	Vibration<0.002g , <15Hz				
Measuring Software	iMeasuring 2.1				
Operation System	Support XP , WIN7 , WIN8.1 , WIN 10, 32/64 operating system				
Language	English, Simplified Chinese, Traditional Chinese, other language versions can be added				
Dimension(W*D*H)	790x617x1000mm	790x617x1000mm		1002x817x1043mm	1002x867x1043mm
Net Weight	175Kg	175Kg	185Kg	350Kg	380Kg

STANDARD DELIVERY

Product Name	Model No.	Product Name	Model No.
2.5D Measuring Software	PIM2.1	Video Capture Card	P527-130
Contour LED Parallel Illumination	P425-100	DELL PC System	P581-960
Surface 4R/8D LED Illumination	P425-130	AV Video Cable	P581-940
Detented Zoom Lens	P421-100	RS232 Data Cable	P581-930
HD700TVL Color Camera	P484-130	Optical Calibration Block	P581-800

Optional Accessories

Product Name	Model No.	Product Name	Model No.
Electronic Zoom Lens	P421-140	Rotary Tables RT 2	P581-520
12.5X Detented Zoom Lens	P421-100	Rotary Tables RT 3	P581-530
Coaxial Detented Zoom Lens	P421-120	Working Cupboard ST 05	P581-650
0.5X Auxiliary Objective	P423-050	Swivel Center Support	P581-850
2X Auxiliary Objective	P423-200	Foot Switch	P581-350
Laser Positioning System	P581-330		



LED Illumination



Working Stage

HIGH ACCURACY 3D MANUAL VISION MEASURING MACHINE

FEATURES

- High precision Granite Plate base and pillar, to ensure high stability and accuracy;
- High precision toothless rod and fast moving locking device, to ensure hysterisis error is within 2um;
- High accuracy A grade optical linear scale with precision working stage, to ensure the accuracy is within 3+L/200um;
- High definitive detented zoom lens and high resolution color digital camera, to ensure clear image without distortion;
- With programmable surface 4-ring 8-division LED Cold Illumination and contour LED parallel illumination and built-in intelligent light adjustment, it can automatic control the brightness in the 4-ring 8-division;
- Imported contact probe and powerful function iMeasuring3.1 3D Measuring Software, highly enhance the quality control;

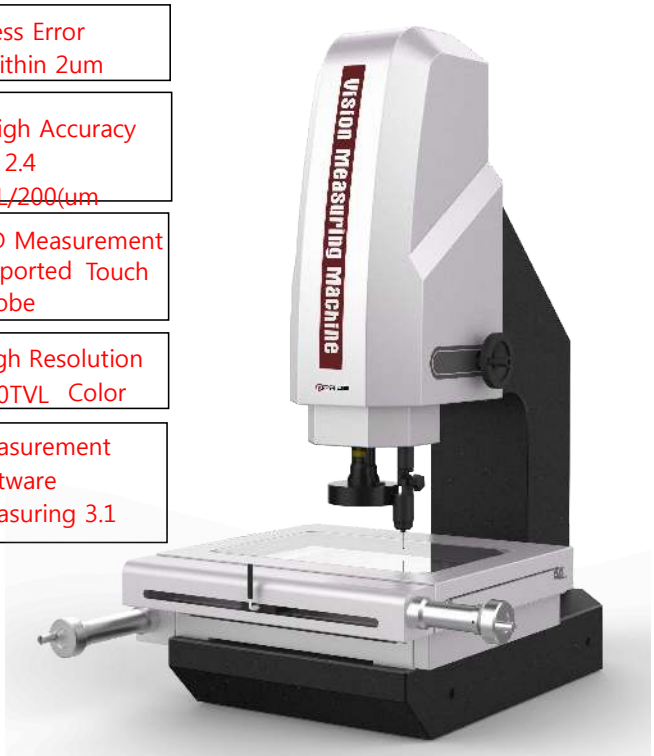
Less Error Within 2um

High Accuracy ≤ 2.4 +L/200(um

3D Measurement Imported Touch Probe

High Resolution 700TVL Color

Measurement Software Measuring 3.1



TECHNICAL SPECIFICATION

Model No.	VMM3D-200	VMM3D-250	VMM3D-300	VMM3D-400	VMM3D-500
Metal Table	408x308mm	408x308mm	458x358mm	608x470mm	708x470mm
Glass Table	306x198mm	306x198mm	356x248mm	456x348mm	556x348mm
X/Y-axis Travel	200x100mm	250x150mm	300x200mm	400x300mm	500x400mm
Z-axis Travel	High-precision linear guide, working travel 200mm				
X/Y/Z-axis Travel	0.0005mm				
X/Y-axis Accuracy	≤2.4+L/200(um)				
Hysterisis Error Repeatability	2um				
Base and Pillar	High Accuracy Granite Plate				
Illumination System(Software Adjustment)	Surface: Adjustable 0~255 grade 4-ring 8-division LED Cold Illumination, every division can be adjust independently				
	Contour: LED Parallel Illumination				
	LED Laser Navigation Lights [Optional]				
CCD Camera	High Resolution 700TV Color CCD Camera				
Zoom lens	6.5X High Resolution Detented Zoom Lens				
	Magnification : 0.7X~4.5X ; Video Magnification : 26X~172X				
Working Environment	Temperature : 20℃±2℃, change range < 2℃/hr				
	Humidity : 30% ~80%RH				
	Vibration<0.002g , <15Hz				
Measuring Software	IMeasuring3.1				
Operation System	Support XP , WIN7 , WIN8.1 , WIN 10,32/64 operating system				
Language	English, Simplified Chinese, Traditional Chinese, other language versions can be added				
Dimension(W*D*H)	790x617x1000mm	790x617x1000mm	838x667x1000mm	1002x817x1043mm	1002x867x1043mm
Net Weight	175Kg	175Kg	185Kg	350Kg	380Kg

STANDARD DELIVERY

Product Name	Model No.	Product Name	Model No.
3D Measuring Software	PIM3.1	Video Capture Card	P527-130
Contour LED Parallel Illumination	P425-100	DELL PC System	P581-960
Surface 4R/8D LED Illumination	P425-130	AV Video Cable	P581-940
6.5X Detented Zoom Lens	P421-100	RS232 Data Cable	P581-930
HD700TVL Color Camera	P484-130	Optical Calibration Block	P581-800

Optional Accessories :

Product Name	Model No.	Product Name	Model No.
Electronic Zoom Lens	P421-140	Rotary Tables RT 2	P581-520
12.5X Detented Zoom Lens	P421-100	Rotary Tables RT 3	P581-530
Coaxial Detented Zoom Lens	P421-120	Working Cupboard ST 05	P581-650
0.5X Auxiliary Objective	P423-050	Swivel Center Support	P581-850
2X Auxiliary Objective	P423-200	Foot Switch	P581-350
Laser Positioning System	P581-330		

VISION MEASURING MACHINE

FEATURES

- Adopt granite stone base and column to ensure the stability and precision of the machine;
- Adopt toothless polished rod and fast-moving locking device to ensure that the return error of the table is within 2um;
- Adopt high-precision instrument optical ruler and precision worktable to ensure the accuracy of the machine is within ≤3.0+L/200um;
- Adopt zoom lens and high-resolution color digital camera to ensure clear picture quality without distortion;
- Using the program-controlled surface 4-ring 8-area LED cold illumination and Contour LED Parallel Illumination as well as a built-in intelligent light adjustment module, the area brightness of the light in the 4-ring 8-area can be freely controlled;
- iMeasuring Vision measurement software improves quality control to a new level;
- Optional contact probe and three-dimensional measurement software can be used to upgrade the machine to a contact three-dimensional measuring machine.
- It can be upgraded to install an autofocus function module to achieve accurate semi-automatic measurement.

Less Error
Within 2um

High Accuracy
≤3.0+L/200um

High Resolution
1.3M 1/3 " digital camera

Measurement Software
iMeasuring



TECHNICAL SPECIFICATION

Model No.	EVM-200	EVM-250	EVM-300	EVM-400	EVM-500
Marble Table	408x308mm	408x308mm	458x358mm	608x470mm	708x470mm
Glass Table	306x198mm	306x198mm	356x248mm	456x348mm	556x348mm
X/Y-axis Travel	200x150mm	250x150mm	300x200mm	400x300mm	500x400mm
Z-axis Travel	High-precision linear guide, working travel 200mm				
X/Y/Z-axis resolution	0.0005mm				
Measurement Accuracy* (um)	XY axis: ≤3.0+L/200 ; Zais : ≤5+L/200				
Hysterisis Error Repeatability	2um				
Base and Pillar	High Accuracy Granite Plate				
Illumination System(Software Adjustment)	Surface 4 rings and 8 zones infinitely adjustable LED cold Illumination				
	Contour: LED Parallel Illumination				
	Optional Coaxial Light				
Digital Camera	1/3"/1.3Mpixel High Resolution Digital Camera				
Zoom lens	6.5X High-Resolution Zoom lens;				
	Optical Magnification: 0.7X~4.5X times; Video Magnification: 26X~172X(21.5" Monitor)				
Working Environment	Temperature : 20℃±2℃, change range < 2℃/hr				
	Humidity : 30% ~80%RH				
	Vibration<0.002g , <15Hz				
Measuring Software	IMeasuring				
Operation System	Support XP , WIN7 , WIN8.1 , WIN 10,32/64 operating system				
Language	English, other language versions can be added				
Dimension(W*D*H)	790x617x1000mm	790x617x1000mm	740x630x1075mm	1002x817x1043mm	1002x867x1043mm
Net Weight	175Kg	175Kg	208Kg	350Kg	380Kg

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Note:

- L represents the measurement length, in millimeters, the mechanical accuracy of the Z axis, and the focusing accuracy have a great relationship with the surface of the workpiece.
- ** Magnification is approximate and depends on monitor size and resolution.
- It can be attached additional mirrors 0.5X or 2X according to their needs to achieve image magnification: 13X~86X or 52X~344X.

Optional Accessories



MCP/Star Touch Probes



Additional Objective 0.5X/2X

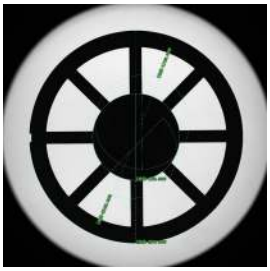


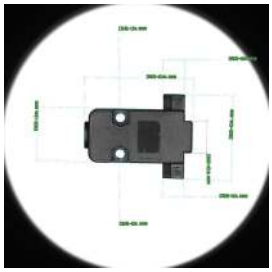
Foot Switch

APPLICATION

Plastic and Rubber

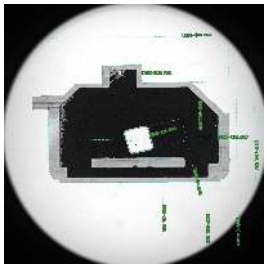
Including electronics, automobile industry, aerospace, medical products, daily chemicals, instrumentation, wire and cable, construction equipment and other rubber products manufacturing and other rubber products

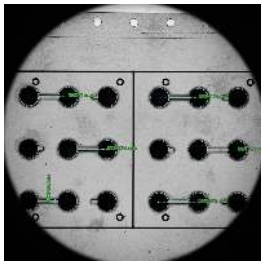




Die Cutting

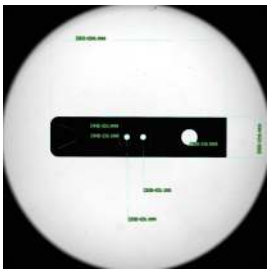
Including watch strap, screen protective film, touch screen, display screen, circuit board, backlight components, dust filter, battery interface, nameplate and other soft board components, etc.

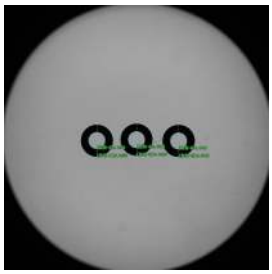




Stamping

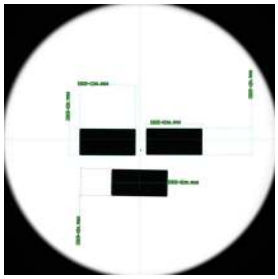
Including electrical components, shrapnel, springs, mobile phone parts, watch case accessories, daily necessities, auto parts, etc.

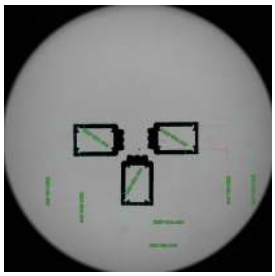




3C (Computer, Communications, Consumer Electronics)

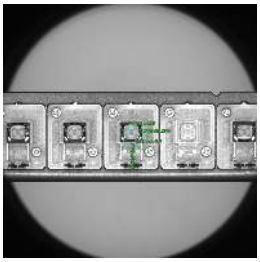
Including glass covers, spare parts, chips, circuit boards, touch screens, etc. of mobile phones, IPADs and other electronic products, as well as peripheral accessories.

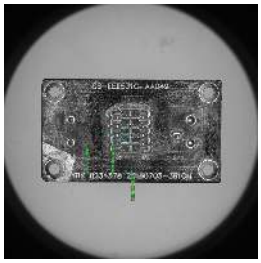




Mold industry

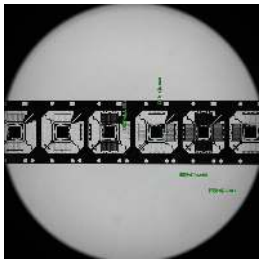
Including mold products, mold parts, mold inserts, mold bases, mold bases, mold cores, etc.

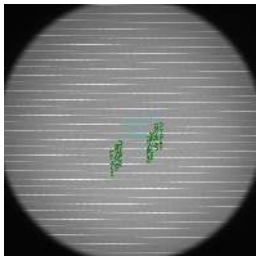




Semiconductor

Including wafers, front-end, back-end, components, boards, packages, etc.





Hardware Precision Processing Industry

Including hardware parts, die-casting, screws, springs, profiles, gears and other mechanical processing, powder metallurgy injection molding.

IT Industry

Including connectors, terminals, chips, switches, circuit hardware, integrated circuits, wires and cables, electronic components, etc.

3D FULLY AUTO VISION MEASURING MACHINE

FEATURES

- 3D full Auto Visioin is a classical Fully Auto Vision Measuring Machine, it is equipped with four-axis motorized control and auto zoom lens and probe, powerful function, simple operation, widely application.
- Four-axis CNC fully auto close loop control, auto measurement;
- "00" grade Granite Plate base and pillar, stable and reliable;
- Precision linear guide, grinding ball screw and AC servo motor, ensure accuracy stability of system position;
- High precision linear scale, resolution is 0.5um, high accuracy, great stability;
- Imported high definition color industry digital camera, ensure clear observation and stable measurement requirement;
- 6.5X continue auto zoom lens, precision auto zoom, only need to make pixel calibration once time;
- Programmable 5-ring 8-division LED surface illumination, contour parallel LED illumination, can realize 256 grade brightness adjustment intelligently;
- With proprietary powerful function fully auto measuring software iMeasuring 4.2;
- With imported touch probe, realize 3D measurement;
- Can set auto measurement, and finish batch measurement with high efficient;
- Laser, coaxial illumination and other parts are optional;



Four-axis Motorized

Auto Light

Auto Zoom

Auto Measurement

Auto Focus

MCP Probe

TECHNICAL SPECIFICATION

Model No.		VMA3D-300A		VMA3D-400A		VMA3D-500A	
X/Y-axis Travel (mm)		300x200		400x300		500x400	
Z-axis Travel (mm)		200					
X/Y/Z 3-axis Linear Scale (mm)		High precision linear scale , resolution : 0.0005mm					
Guidance Mode		Precision P-grade linear guide , double-track double slider guide					
Operation Mode		Joystick controller, Mouse operation, automatic detection program					
Measurement Accuracy		XY-axis : ≤2.2+L/200um					
		Z-axis : ≤4+L/200um					
Repeatability		2um					
Video System		High definition 1/3" Color CCD Camera,					
		6.5X continue click zoom lens; optical magnification: 0.7X-4.5X; video magnification:126X~172X(21.5"monitor)					
Field of View(mm) (Diagonal * Horizontal* Vertical)	Lens Magnification	0.7x	1x	2.0x	3.0x	4x	4.5x
	1/3"CCD	8.57x6.86x5.14	6.00x4.80x3.60	3.00x2.40x1.80	2.00x1.60x1.20	1.50x1.20x0.90	1.33x1.07x0.80
Illumination	Contour	LED Parallel Contour Illumination					
	Surface	5-ring 8-division 0~255 grade continue adjustable					
Software System		iMeasuring 4.2 Fully Auto Measuring Software					
Load Capacity (Kg)		25		25		20	
Working Environment		Temperature 20℃±2℃ , Humidity Range<2℃/hr,Humidity 30~80%,Vibration<0.002g,<15Hz					
Power		220V/50Hz/10A					
Dimension(mm)		1200x780x1650		1350x880x1650		1420x980x1650	
Weight(Kg)		580		650		780	

* L is measuring length ,unit is mm, the mechanical accuracy of Z-axis and focus accuracy is greatly related to the surface of the workpiece.
* Magnification is approximate value, it is related to the dimension of monitor and resolution.
* Customers can choose 0.5X or 2X optional objective, and realize image magnification: 13X~86X or 52X~344X.

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ZOOM STEREO MICROSCOPE SM-500

FEATURES:

- Sharp stereo erect image over a wide field of view
- 45°inclined and 360°rotatable binocular head
- The interpupillary distance is between55mm-75mm,The left ocular-tube with diopter adjustment±5dp
- Inside incident light,brightness adjustable,various illumination for selection
- Power supply 110V/60HZ or 220V/50HZ
- Product has CE approval .



SM-520



SM-510



SM-500

TECHNICAL SPECIFICATION

Model No.	Eyepiece	Objective	Base/ working stage	Up & down mechanism	Incident illumination	Transmitted illumination
SM-500	HWF10X	ZOOM 0.75X-5X	Φ95mm Frosted glass	Pillar style	Bowl halogen lamp 12V 10W	Halogen lamp 12V 10W
SM-510	HWF10X	ZOOM 0.75X-5X	Φ95mm Frosted glass	Arm curved	Bowl halogen lamp 12V 10W	Halogen lamp 12V 10W
SM-520	HWF10X	ZOOM 0.75X-5X	Φ95mm Frosted glass	Arm curved	Bult-in LED ring light	1W LED lamp
SM-530	HWF10X	ZOOM 0.75X-5X	Φ95mm Frosted glass	Pillar style	Natural illumination	Natural illumination
Optional accessories: 0.5X、1.5X、2X(Auxiliary Objective);HWF5X、HWF10X、HWF20X、HWF25X(Eyepiece); Ring light						

OPTICAL DATA:

Eyepiece \ Objective		Main body	With 0.5x auxi objective	With 1.5x auxi objective	With 2x auxi objective
		0.75x ~ 5x	0.375x ~ 2.5x	1.125x ~ 7.5x	1.5x ~ 10x
HWF5x	Total magnification	3.75x ~ 25x	1.875x ~ 12.5x	5.625x ~ 37.5x	7.5x ~ 50x
	Field of View	Φ31 ~ Φ4.6	Φ61.3 ~ Φ9.2	Φ22 ~ Φ3.3	Φ16 ~ Φ2.5
HWF10x	Total magnification	7.5x ~ 50x	3.75x ~ 25x	11.25x ~ 75x	15x ~ 100x
	Field of View	Φ33 ~ Φ5	Φ65 ~ Φ10	Φ22 ~ Φ3.3	Φ16 ~ Φ2.5
HWF15x	Total magnification	11.25x ~ 75x	5.625x ~ 37.5x	16.875x ~ 112.5x	22.5x ~ 150x
	Field of View	Φ24 ~ Φ4.2	Φ48 ~ Φ8.5	Φ16 ~ Φ2.8	Φ12 ~ Φ2
HWF20x	Total magnification	15x ~ 100x	7.5x ~ 50x	22.5x ~ 150x	30x ~ 200x
	Field of View	Φ20 ~ Φ3.5	Φ40 ~ Φ7	Φ13.3 ~ Φ2.3	Φ10 ~ Φ1.8
HWF25x	Total magnification	18.75x ~ 125x	9.375x ~ 62.5x	28.125x ~ 187.5x	37.5x ~ 255x
	Field of View	Φ15.8 ~ Φ2.4	Φ31.5 ~ Φ4.8	Φ10.5 ~ Φ1.6	Φ7.9 ~ Φ1.2
	working distance	113mm	220mm	50mm	35mm

ZOOM STEREO MICROSCOPE SM-900

FEATURES

- Sharp stereo erect image over a wide field of view.
- 45° inclined and 360° rotational binocular head with locked-in eyepiece.The left ocular-tube with diopter adjustment ±5dp , The interpupillary distance is between 55-75mm
- Products CE approved
- Power supply 110V/60Hz or 220V/50Hz
- Illumination: L1. Incident reflected halogen lamp 12V/10W; Transmitted halogen lamp 12V/10W
  L2. Incident reflected halogen lamp 12V/10W; Transmitted halogen lamp 12V/10W. Brightness isadjustable.
  L3. Halogen lamp 12V/10WW for incident lamp and fluorescent lamp 5W for transmitted lamp
  L4. Halogen lamp 12V/10WW for incident lamp and fluorescent lamp 5W for transmitted lamp Brightness is adjustable L5. Both incident and transmitted light with LED。
- Each set packed in styrofoam and in an inner box. Two sets in one carton, The outer measurement is 41X35X41.50cm (SM-900), 50X37X48cm (SM-910,SM-920).


SM-910


SM-970


SM-950


SM-920

Model No.	Standard eyepiece	Objective	Viewing head	Up & Down Mechanism	Base /Working stage
SM-900	SWF10X	ZOOM1X-4X	Binocular	Pillar style	Φ95mm Frosted glass
SM-910	SWF10X	ZOOM1X-4X	Binocular	Arm curved style	Φ95mm Frosted glass
SM-920	SWF10X	ZOOM1X-4X	Trinocular	Pillar style	Φ95mm Frosted glass
SM-930	SWF10X	ZOOM1X-4X	Trinocular	Arm curved style	Φ95mm White/Black Working stage
SM-940	SWF10X	ZOOM1X-4X	Binocular	Pillar style	Φ95mm Frosted glass
SM-950	SWF10X	ZOOM1X-4X	Binocular	Pillar style	Φ95mm Frosted glass
SM-960	SWF10X	ZOOM0.75X-3.6X	Binocular	Pillar style	Φ95mm Frosted glass
SM-970	SWF10X	ZOOM0.75X-3.6X	Binocular	Arm curved style	Φ95mm Frosted glass
SM-980	SWF10X	ZOOM0.75X-3.6X	Binocular	Pillar style	Φ95mm Frosted glass

Optional accessories: 0.5X、7.5X、1.5X、2X(Auxiliary Objective);WF5X、SWF10X、WF15X、WF20X(Eyepiece);
Ring light ; White/Black working stage.

Model No.	Eyepiece	Standard Objective			Auxiliary Objective							
					0.5X		0.5X		0.5X		0.5X	
		Objective	Field of View	Working Distance	Field of View	Working Distance	Field of View	Working Distance	Field of View	Working Distance	Field of View	Working Distance
SM-900~950	WF5X	1-4X	20-5	91	40-11	170	25-6.5	100	13-3.5	42	10-2.5	28
	SWF10X	1-4X	23-5.5	91	52-12	170	30-7	100	15-4.8	42	11.5-3	28
	WF15X	1-4X	15.5-4	91	36-8.5	170	21-5	100	10.5-2.5	42	8-2	28
	WF20X	1-4X	10.5-3	91	25-5.8	170	14-3.5	100	7-1.8	42	5.5-1.5	28
SM-960~980	WF5X	0.75-3.6X	26-6	86	60-13	178	32-7	96	16-4	42.5	12.5-3	25.5
	SWF10X	0.75-3.6X	28-6	86	63-14	178	35-8	96	18-4	42.5	14-3	25.5
	WF15X	0.75-3.6X	19-4.5	86	43-9.5	178	24-5.5	96	12-3	42.5	9.5-2	25.5
	WF20X	0.75-3.6X	12.5-3	86	28-6	178	16-3.5	96	8-2	42.5	6-1.5	25.25

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VIDEO MICROSCOPE VM-100

APPLICATION

Video Microscope is widely used in the inspection of electronic industry production line, printed circuit board, weld detects (such as wrong printing, edge collapse,etc)during printed circuit component, PC Board, VFD, and the identification of printing grid and painting, etc. It can display the zoom out image on the screen and save, magnify and print.



FEATURES

- With high definition 0.7~4.5X parallel continue zoom lens, it it more convenient and fast to switch objective magnification;
- With precision coarse and fine lifting system, ensure perfect focus and clear image;
- With adjustable LED bottom and surface illumination, it can control brightness independently;
- Built-in FULL HD sensor and VGA integrated camera, can directly connect with the monitor to realize video image and can also use SD card to take picture or record video, which integrate video observation and image storage;
- Simple external interface: 12V power supply input and USB/ VGA video output, SD card hole to make installation simpler;
- Multiple optional mobile control platform, ensure precision position measurement.

TECHNICAL SPECIFICATION

unit:mm

Electronic Magnification	8X~206X (16:9 21"Monitor)
Optical Objective	0.7X~4.5X horizontal zoom lens Zoom ratio 6.5 : 1 0.5X C-mount Camera Adapter
Camera Parameter	2 million pixel (1920*1080) Image Size:1/2.86"
Camera Function	Frames Per Second : 30fps White Balance; Brightness Control; Digital Noise Reduction Photograph and Video Record VGA/USB Output, SD Card Storage OSD: Comprehensive digital UI design, Wireless USB 2.0 Mouse Operation Cross Line Picture Frozen,10X Digital Magnification
Measuring Function	Optional PC System and measuring software can measure image in the field of view
Illumination	Bottom: Adjustable LED Illumination Surface: Adjustable LED Illumination
Microscope Stand	Z-axis Travel: 150mm Coarse/Fine Lifting System
Electrical Parameters	AC90~240V ; 50~60HZ
Dimension	290*280*400 mm
Gross/Net Weight	7.0/4.7Kg

STANDARD DELIVERY

unit:mm

Microscope Main Body	VM-100
Power Adapter	DC12V
Mouse	Wireless
SD Card	8G
Operation Manual/Warranty Card/ Certificate/Packing list	VM-100

PORTABLE MEASURING MICROSCOPE

FEATURES

- The protable measuring microscope is used for measuring or viewing purposes in production or labortory. It is particularly suitable for spot examination of machinery industry ,paper making, print and textile,etc. The product features small size, light weight, nice design and easy operation.



TECHNICAL SPECIFICATION

Model No. (no light)	XL-20	XL-50	XL-100
Model No. (with light)	XL-20L	XL-50L	XL-100L
Total Magnification	20X	50X	100X
Mechanical Tube Length	160mm		
Power of Objective	2X	5X	10X
Power of Eyepiece: 10X			
Focus Range: 30mm			
Diameter of Viewing field in Eyepiece: Φ18mm			
Reticule of Eyepiece : 0.1 Micrometer			
Diameter of Bearing Plane: Φ63mm			
Height of Microscope: 210mm			
Mass of Microscope:0.65kg			

PORTABLE MEASURING MICROSCOPE

FEATURES

- Compact and light weight with a wide field of view.
- It allows not only to provide magnified view of fine pattern and contour of objects, but also to measure length and compare dimensions by using a scale included in the eyepiece.
- It is useful not only for the general observation but also for improving accuracy in precision machining and securing uniform quality in the inspection process.
- The pen illumination system provides a high intensity source but is removable if not needed.



Model No.	KT 293-1	KT 293-2	KT 293-3	KT 293-4
Magnification	20X	40X	60X	100X
Eyepiece	10x	10x	10x	10x
Objective	2x	4x	6x	10x
Field of View	8.3°	8.5°	8.4°	5.2°
Exit pupil	1.8mm	1.4mm	1.2mm	0.6mm
Working Distance	20mm	21mm	13.5mm	7mm
Accuracy	0.005" / 0.1mm	0.002" / 0.05mm	0.001" / 0.0.2mm	0.0005" / 0.01mm
Measuring Range	6mm	3mm	2mm	1mm
Focus range	±18mm	±18mm	±18mm	±18mm
Size (mm)	41.5øx122	41.5øx122	41.5øx122	41.5øx122
Net Weight	83 g	83 g	83 g	88 g

KDC RS@MC L D@RT QHMF L HBQNRBNOD 25x to 100x

FEATURES

■ Stand Microscope is a small size, lightweight and conveniently portable microscope. It is designed to cover the range in between the high-grade, heavily equipped microscopes and the various magnifiers 3x-30x). It can easily, speedily and accurately catch the subject to be examined with its bright and superior resolving power and smooth-working mechanism. This microscope is convenient for measuring the thickness, height or depth of subjects having different levels and for measuring the depth of items like print cylinders, printing plates and other similar applications.
The precision made focusing ring, simplifies operation, and the attachable/detachable rubber eyepiece increases the ease in operation.
A scale is built into the scale chamber above the focusing ring
The lens barrel of the eyepiece is the visibility adjustment ring.
First turn this ring and set it at the position where the scale can be seen clearly.
Then turn the focusing ring refocus on the next level.
By reading the scale engraved on the focusing ring and the main needle of the lens barrel, depths can be measured with the accuracy of 0.1mm (.004").
This scale can be easily interchanged according to use. Three kinds of scales-standard, for tooling, for printing are available.
Stand Microscope is ideal for use in factories, inspection rooms and research laboratories.



LED Microscope

Model No.	P2008-20	P2008-40	P2008-60	P2008-100
Magnification	20X	40X	60X	100X
Field of View	3.30 mmø	2.00mmø	1.09mmø	0.84mmø
Min. Scale Div.	No. 24 = 0.05mm No. 26 = 0.002"	No. 13 = 0.02mm No. 15 = 0.001"	No. 34 = 0.01mm No. 36 = 0.0005"	No. 44 = 0.005mm No. 46 = 0.0005"
Measuring Range	3.0mm	1.6mm	1.0mm	0.8mm
Working Distance	17.0mm	11.7mm	11.7mm	11.6mm
Numerical Aperture	0.11	0.18	0.22	0.22
Focal Distance	19.8mm	14.9mm	9.9mm	9.9mm
Size (mm)	41.5øx122	41.5øx122	41.5øx122	41.5øx122
Net Weight	83 g	83 g	83 g	88 g

POCKET MEASURING MICROSCOPE

FEATURES

■ Pocket measuring microscope with reticle. The Reticle is cross hair with horizontal scale. To focus the microscope, hold it so that the notch at the tip of the acrylic cylinder of the microscope faces towards you, place the center of the object lens above the specimen and while tilting the cylinder forward and backward with your eye on the eye-piece lens, fix the cylinder and adjust to the best angle which can give the sharpest image.



P2036S P2036

Model 2036 without scales

Model No.	P2036-20	P2036-50	P2036-100
Magnification	25X	50X	100X
Field of View	8°	6°	5.7°
Measuring Length	3 mm	2 mm	1 mm
Size (mm)	12.4 x 127	12.4 x 127	12.4 x 127
Net Weight	12 g	13 g	16 g

Model 2036S with scales

Model No.	P2036S-20	P2036S-50
Magnification	25X	50X
Field of View	8°	6°
Measuring Length	3 mm 0.05mm(0-3mm) 0.002"(0-0.12")	2 mm 0.02mm(0-1.6mm) 0.001"(0-0.0.6")
Size (mm)	12.4 x 127	12.4 x 127
Net Weight	12 g	13 g

SURFACE MICROSCOPE KT-295

FEATURES

- Pocket size microscope in hard leather case. Ideal for inspecting, tracking, and measuring small cracks etc. Can be placed directly on the surface, with adjustable focus and scale division in the lens.
- KT 295-1
  Surface Microscope: magnification 10x 21mm; scale division 0.1mm
- KT 295-3
  Surface Microscope: magnification 10x25mm; scale division 0.1mm



LED SURFACE MICROSCOPE PM7173L

FEATURES

- Graduated Surface microscope with built-in LED ring light and measuring scale in pocket size complete with hard leather case.
- Ideal for inspecting, tracking, and measuring coating defects such as crack-width, pinholes, scratches, inclusions and other surface imperfections.
- Can be placed directly on the surface, with adjustable focus and scale division / reticle build in the lens.
- Height: 50 mm
- Diameter: 43 mm
- Magnification: 10X
- PM7173L
  Surface Microscope: magnification 10x; scale division 0.1mm





SCALE LOUPE 10X SET P2004

FEATURES

- Scale Loupe 10X has precision-constructed achromatic lenses (coated 4 elements, 2 groups), a photo-printed scale and focusing ring.
- Magnification: 10X
- Field of View: 32 mm (1.24 inch)
- Scale Length: 30 mm (1.17 inch
- Minimum Scale Division: 0.1 mm
- Eye-piece: 20 mm
- Size: 46 x 44 mm
- The contradiction between high resolving power and wide visual field has been completely eliminated from this product so it can provide efficient inspection.
- The P2004 Scale Loupe 10x set combines the KT 295-1 with five of the widely used reticles. The five different kinds of scales, #s 2, 3, 7, 8, & 10 are contained in a plastic box together with a magnifier as a set.





USB DIGITAL MICROSCOPE DM-100

FEATURES

- This high tech while easy to use digital microscope comes with 2Mega true resolution (true and up to 5M by digital), outputs stunning video image, useful for students, collectors, collectors, testers etc to explore the microscopic world.Other outstanding features include 20x-200x magnification (adjustable), measurement function, compatible with Windows and Mac, video and photo capture.
- Image Sensor: 2 Mega Pixels (interpolated to 5M)
- Still capture resolution: 2560x2048 (5M), 2000x1600, 1600x1280 (2M), 1280x1024, 1024x960, 1024x768, 800x600, 640x480
- Video capture resolution: 2560x2048 (5M), 2000x1600, 1600x1280 (2M), 1280x1024, 1024x960, 1024x768, 800x600, 640x480
- FocusRange: Manual focus from 10mm to 500mm
- Frame Rate: Max 30f/s under 600 Lus Brightness
- Magnification Ratio: 20x to 200x
- Video format: AVI
- Photo format: JPEG or BMP
- Light source: 8 LED (adjustable by control wheel)
- PC interface: USB2.0
- Operation system: Windows XP/Vista/Win7/8, Mac OS X 10.6 or later
- OSD language: English, German, Spanish, French, Russian
- Bundle software: MicroCapture with measurement

STANDARD DELIVERY

- Digital Microscope with USB cable
- Stand
- Micro Capture Pro software
- Instruction manual



LED MAGNIFYING LAMP

FEATURES

- Lens material: glass
- Lens size: 5"
- Diopter: 5X /8X /10X / 15X /20X
- Voltage: 110V-120V / 220V-240V
- Light source: T9 22W energy saving circular
- LED lamp
- Standard mount: desktop clamp
- Optional mount: table base,floorstand
- Colour available: white, black, light grey
- ESD safety is available by request



Model No.:SK-A

LED MAGNIFYING LAMP

FEATURES

- Lens material: glass
- Lens size: 5"
- Diopter: 3X /5X /8X /10X
- Voltage: 110V-120V / 220V-240V
- Light source: T9 22W energy saving
- LED clamp
- Standard mount: desktop clamp
- Optional mount: table base,floorstand
- Colour available: white, black, light grey
- ESD safety is available by request



Model No.:SK-B

LINEN TESTER PG7144/PG7141

FEATURES

- Linen Testers are convenient folding type magnifying glasses for inspecting cloths. They are widely used as portable magnifiers and are available in various models.
- PG7144
  Base Size: 14mm
  Magnification: 10x
- PG7141
  Base Size: 30mm
  Magnification: 6x
  Packaged in White box, Wax paper wrapped, No inner pouch

Model No.:
PG7144
PG7141



DIAMOND LOUPES

FEATURES

- PG7014A
- Field of view: 21mm
- Magnification: 10x
- Silver, black, gold is acceptable.



Model No.:PG7014A

FEATURES

- PG7802
- Field of view: 21mm
- Magnification: 10x
- UV+LED
- Silver, black, gold is acceptable



Model No.:PG7802

144 LED FOUR-ZONE MICROSCOPE RING LIGHT

FEATURES

- This is a 144-LED intensity direction adjustable ring light with mounting size up to 2-1/2" (64mm) in diameter. The light ring is consisted of 4 individual portions (4 lighting zones) that can be turned on/off separately. You may use the feature to change lighting directions and obtain the best illumination for your application. The ring light has 2-1/2" (64mm) inside and 4" (100mm) outside diameters. It works with power supplies from a 110-220V and comes with a 1-7/8" (48 mm in diameter) ring adapter. With variable intensity control, it provides cool, even, intense and focused shadow-free illumination. It is an ideal durable cool light source for all stereo microscopes, especially for gemological, coin and gem/jewelry microscopes. This kit comes with one year warranty against manufacturing defects

Features & Specifications :

- 144 bright white LED bulbs
- Lighting direction changeable
- Variable intensity control
- Intense and focused shadow-free illumination
- 100,000 hours of life
- Power input: 110-240V, 50-60HZ, auto switching
- Fits up to 2-1/2" (64mm) mount rings
- Inside diameter of the ring light: 2-1/2" (64mm)
- Outside diameter of the ring light: 4" (100mm)

Packing List :

- One 144-LED Ring Light (B)
- One Control Box
- One Power Cable
- One 48mm Ring Adapte



Model No.:LED-144

72 LED COMPACT FOUR-ZONE MICROSCOPE RING LIGHT

FEATURES

- This is a 72-LED intensity direction adjustable ring light with mounting size up to 2.3" (60mm) in diameter. The light ring consists of 4 individual portions (4 lighting zones) that can be turned on/off separately. You may use the feature to change lighting directions and obtain the best illumination for your application. The ring light has 2.3" (60mm) inside and 4" (102mm) outside diameters. It works with power supplies from a 110-220V and comes with a 1-7/8" (48 mm in diameter) ring adapter. With variable intensity control, it provides cool, even, intense and focused shadow-free illumination. It is an ideal durable cool light source for all stereo microscopes, especially for gemological, coin and gem/ jewelry microscopes. This kit comes with one year warranty against manufacturing defects

Features & Specifications :

- 72 bright white LED bulbs
- Lighting direction changeable
- Variable intensity control
- Intense and focused shadow-free illumination
- 100,000 hours of life
- Power input: 110-240V, 50-60HZ, auto switching
- Fits up to 2-1/2" (64mm) mount rings
- Inside diameter of the ring light: 2.3" (60mm)
- Outside diameter of the ring light: 4" (102mm)

Packing List :

- One 72-LED Ring Light (B)
- One Power Cable
- One 48mm Ring Adapter
- Shipping Weight: 3 lbs



Model No.:LED-72

TOOLMAKER MICROSCOPE TM-500

FEATURES

- The Toolmaker's microscope is the perfect microscope for measuring dimensions and angles of various machined metals.
- **Objective Lens:** Includes 2x objective, NA 0.07, WD 0.67. Alternative 5x and 10x objectives are available below.
- **Eyepiece:** Monocular 15x eyepiece, FOV 13mm, inclined 30 degrees with built-in cross-line reticle. Erect image, diopter adjustable. Eyepiece protractor graduation: 360° protractor range. Minimum reading by vernier is 6. Alternative 10x eyepiece available below.
- **Total Magnification:** 30x (Available magnification = 20x, 30x, 50x, 75x, 100x, 150x).
- **Specimen Stage:** 50mm x 50mm (2" x 2") X-Y Travel Stage.Top of X-Y dimensions are 150mm x 150mm. Accuracy: 0.005mm or above per 5mm. Glass window: 83x83mm.
- **Micrometer Heads:** Includes two manual micrometer heads 1mm or 0.025" precision +/-2um, outer diameter of brushing is 18mm / 0.709". Digimatic micrometer heads are available below.
- **Illumination:** LED Transmitted light source, 120v, with adjustable intensity. Reflected illumination with oblique twin-spot LED illuminator, with adjustable intensity.
- **Stand:** Track stand with coarse focusing.



Model No.:TM-500

LINEN TESTER PG7144/PG7141

FEATURES

- Linen Testers are convenient folding type magnifying glasses for inspecting cloths. They are widely used as portable magnifiers and are available in various models.
- PG7144
  Base Size: 14mm
  Magnification: 10x
- PG7141
  Base Size: 30mm
  Magnification: 6x
  Packaged in White box, Wax paper wrapped, No inner pouch

Model No.:
PG7144
PG7141



DIAMOND LOUPES

FEATURES

- PG7014A
- Field of view: 21mm
- Magnification: 10x
- Silver, black, gold is acceptable.



Model No.:PG7014A

FEATURES

- PG7802
- Field of view: 21mm
- Magnification: 10x
- UV+LED
- Silver, black, gold is acceptable



Model No.:PG7802

144 LED FOUR-ZONE MICROSCOPE RING LIGHT

FEATURES

- This is a 144-LED intensity direction adjustable ring light with mounting size up to 2-1/2" (64mm) in diameter. The light ring is consisted of 4 individual portions (4 lighting zones) that can be turned on/off separately. You may use the feature to change lighting directions and obtain the best illumination for your application. The ring light has 2-1/2" (64mm) inside and 4" (100mm) outside diameters. It works with power supplies from a 110-220V and comes with a 1-7/8" (48 mm in diameter) ring adapter. With variable intensity control, it provides cool, even, intense and focused shadow-free illumination. It is an ideal durable cool light source for all stereo microscopes, especially for gemological, coin and gem/jewelry microscopes. This kit comes with one year warranty against manufacturing defects

Features & Specifications :

- 144 bright white LED bulbs
- Lighting direction changeable
- Variable intensity control
- Intense and focused shadow-free illumination
- 100,000 hours of life
- Power input: 110-240V, 50-60HZ, auto switching
- Fits up to 2-1/2" (64mm) mount rings
- Inside diameter of the ring light: 2-1/2" (64mm)
- Outside diameter of the ring light: 4" (100mm)

Packing List :

- One 144-LED Ring Light (B)
- One Control Box
- One Power Cable
- One 48mm Ring Adapte



Model No.:LED-144

72 LED COMPACT FOUR-ZONE MICROSCOPE RING LIGHT

FEATURES

- This is a 72-LED intensity direction adjustable ring light with mounting size up to 2.3" (60mm) in diameter. The light ring consists of 4 individual portions (4 lighting zones) that can be turned on/off separately. You may use the feature to change lighting directions and obtain the best illumination for your application. The ring light has 2.3" (60mm) inside and 4" (102mm) outside diameters. It works with power supplies from a 110-220V and comes with a 1-7/8" (48 mm in diameter) ring adapter. With variable intensity control, it provides cool, even, intense and focused shadow-free illumination. It is an ideal durable cool light source for all stereo microscopes, especially for gemological, coin and gem/ jewelry microscopes. This kit comes with one year warranty against manufacturing defects

Features & Specifications :

- 72 bright white LED bulbs
- Lighting direction changeable
- Variable intensity control
- Intense and focused shadow-free illumination
- 100,000 hours of life
- Power input: 110-240V, 50-60HZ, auto switching
- Fits up to 2-1/2" (64mm) mount rings
- Inside diameter of the ring light: 2.3" (60mm)
- Outside diameter of the ring light: 4" (102mm)

Packing List :

- One 72-LED Ring Light (B)
- One Power Cable
- One 48mm Ring Adapter
- Shipping Weight: 3 lbs



Model No.:LED-72

TOOLMAKER MICROSCOPE TM-500

FEATURES

- The Toolmaker's microscope is the perfect microscope for measuring dimensions and angles of various machined metals.
- **Objective Lens:** Includes 2x objective, NA 0.07, WD 0.67. Alternative 5x and 10x objectives are available below.
- **Eyepiece:** Monocular 15x eyepiece, FOV 13mm, inclined 30 degrees with built-in cross-line reticle. Erect image, diopter adjustable. Eyepiece protractor graduation: 360° protractor range. Minimum reading by vernier is 6. Alternative 10x eyepiece available below.
- **Total Magnification:** 30x (Available magnification = 20x, 30x, 50x, 75x, 100x, 150x).
- **Specimen Stage:** 50mm x 50mm (2" x 2") X-Y Travel Stage.Top of X-Y dimensions are 150mm x 150mm. Accuracy: 0.005mm or above per 5mm. Glass window: 83x83mm.
- **Micrometer Heads:** Includes two manual micrometer heads 1mm or 0.025" precision +/-2um, outer diameter of brushing is 18mm / 0.709". Digimatic micrometer heads are available below.
- **Illumination:** LED Transmitted light source, 120v, with adjustable intensity. Reflected illumination with oblique twin-spot LED illuminator, with adjustable intensity.
- **Stand:** Track stand with coarse focusing.

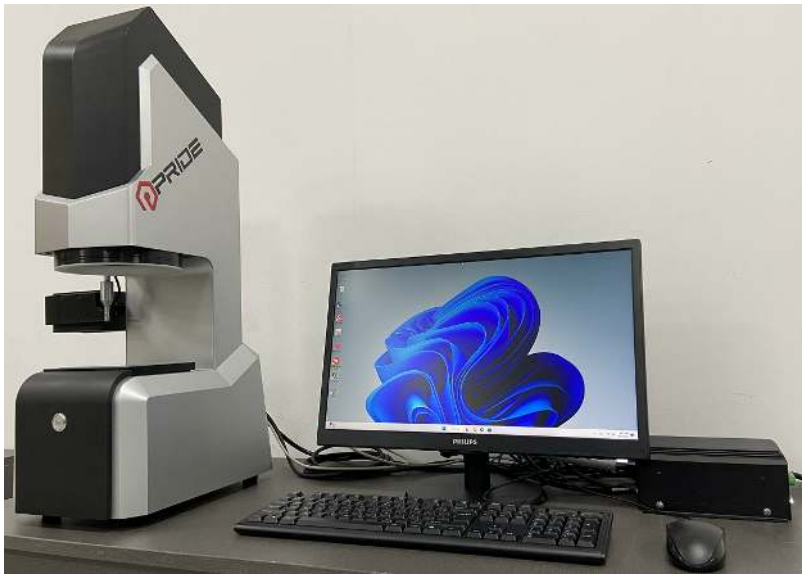


Model No.:TM-500

ONE-BUTTON QUICK MEASURING SYSTEM QMI-100

INSTRODUCTION

QMI-100 one-button measuring instrument adopts dual telecentric high-resolution optical lens, combined with high-precision image analysis algorithm, and incorporates one-button flash measuring principle. According to the shape of the workpiece, the instrument can automatically locate the measurement object, match the template, measurement evaluation, report generation, just touch the start button, truly achieve one-button fast and accurate measurement.



TECHNICAL SPECIFICATION

Image sensor	HD CCD 2000 million 1.1 "	
Measuring range	100mm*80mm	
Magnifying power	0.088X	
Display unit	0.1μm	
Measurement accuracy	±3+ L/100 μm	
Camera interface	Gige Gigabit Ethernet (transmission rate: 1G/S)	
Camera lens	Bilateral telecentric lens	
Software release	CX-VISION V1.0 One-button Special Software	
illuminating system	Transmission system	Telecentric transparent irradiation (color: green)
	Dropping system	Programmable LED (color: white)
Auxiliary light source (optional)	Coaxial light source	Coaxial light incidence (color: white)
	Low angle light source	Movable light source up and down (color: white)
Power supply voltage	AC100~240V 50/60Hz	
Camera voltage	Output/rated load DC24V0.6A or less	
Measurement software system	CX-VISION V1.0 One-button Special Software USB dongle	

www.prideinstrument.com sales@prideinstrument.com

SOFTWARE INSTRUCTIONS

Basic measurement function	Point, line, circle, multi-point line, multi-point circle, automatic circle, spline curve, arc, multi-segment circle, automatic R angle, contour scanning.
Labeling function	Alignment dimension, vertical dimension, angle dimension, radius/diameter dimension, area dimension, thread pitch diameter.
Geometric tolerance	Straightness, roundness, symmetry, profile, etc.
Virtual structure	Center line, bisector, tangent point, tangent point of circle line, center of circle, center of line, highest point and lowest point.
Parameter setting	Font, color, recognition mode, tolerance size, operation authority
Report function	SPC analysis report (CPK, CA, PPK, CP, PP value, process capability analysis, X control chart, R control chart)
Software customization	CAD import automatic default programming, contour curve analysis, automatic management link, APP management application.
Detection quantity	999 data/sec
Number of templates	Unlimited
Driving mode	Programmable motor

STANDARD DELIVERY

Main body	QMI-100
Table	objective table
Carrying device	Machine glass
Light source control system	Programmable digital light source system (built-in)
Computer	Brand Computer +19 "LCD Monitor"
Camera lens	Bilateral telecentric lens
Video camera	High-definition CCD2000 million pixels
Software	CX-VISION V1.0 Professional Software (encryption dog)
Other configurations	Optical grid glass
User manual	User manual (CD)
Upper light source	Ring light source
Lower light source	Parallel telecentric light source
Auxiliary light source	Coaxial light emission (color: subject to customer products)
Packing box	High quality Aluminum box

PRIDE®

DIGITAL REFRACTOMETER
HAND REFRACTOMETER
LASER DISTANCE METER
DIGITAL ULTRASONIC CLEANER
DIGITAL TACHOMETER
STROBOSCOPE
LUX METER
MOISTURE METER
DIGITAL THERMOMETER
THERMOMEER AND HYGROMETER
ALL PROBES FOR THERMOMERS
INFRARED THERMOMETER
ANEMOMETER
SOUND LEVEL METER
DIGITAL SCALE
DIGITAL POCKET SCALE
DIGITAL CRANE SCALE
DIGITAL MEASURING WHEEL
MEASURING WHEEL





DIGITAL REFRACTOMETER



FEATURES:

- Weighing less than 200 grams and compact enough to fit into your pocket, the new range of economic digital hand held refractometers incorporate precise optical picture technology, together with automatic temperature compensation (ATC), ensuring greater accuracy than any other portable refractometer in the market.
- These simple to use, reliable and affordable instruments are available in a wide choice of single and multi-scales. Their versatility makes them suitable for the testing of soft drinks, food, confectionery, soluble oils, detergents, saline solutions, anti-freeze and numerous other materials during the production process.

TECHNICAL SPECIFICATION

Model No.	Scale	Range	Divisions	Accuracy	Special Function
DR-101	Brix	0-35%	0.1	0.1	
DR-102	Brix	0-35%	0.1	0.1	Zero Check
DR-102L	Brix	0-45%	0.1	0.1	Zero Check
DR-103	Brix Refractive Index	0-35% 1.3330-1.3900	0.1 0.0001	0.1 0.0003	Zero Check
DR-103L	Brix	0-45% 1.3330-1.4098	0.1 0.0001	0.1 0.0003	Zero Check
DR-111	Brix	28-65%	0.1	0.1	Zero Check
DR-112	Brix Refractive Index	28-65% 1.3770-1.4535	0.1 0.0001	0.1 0.0003	
DR-121	Brix	58-92%	0.1	0.1	Zero Check
DR-122	Brix Refractive Index	58-92% 1.4370-1.5090	0.1 0.0001	0.1 0.0003	Zero Check
DR-201	Salinity	0-28%	0.1	0.1	
DR-202	Salinity	0-28%	0.1	0.1	Zero Check
DR-203	Salinity Refracticve Index	0-28% 1.3330-1.3900	0.1 0.0001	0.1 0.0003	Zero Check
DR-301	Urine SG	1.000-1.050	0.0001	0.0001	
DR-302	Urine SG	1.000-1.050	0.0001	0.0001	Zero Check
DR-303	Urine SG Serum P Refractive Index	1.000-1.050 0-12 1.3330-1.3900	0.0001 0.1 0.0001	0.0001 0.1 0.0003	Zero Check
DR-401	Mass S/W Vol. AP Brix Oe Salinity KMW	0-35% 0-22% 0-150 0-25	0.1 0.1 1 0.1	0.1 0.1 1 0.1	Zero Check
DR-501	Brix Salinity Refractive Index	0-35% 0-28% 1.3330-1.3900	0.1 0.1 0.0001	0.1 0.1 0.0003	Zero Check
DR-601	G11/12 G13 Cleaning water left Cleaning water left	0-50°C 0-50°C 0-44°C 0-48°C	0.1°C 0.1°C 0.1°C 0.1°C	0.2°C 0.2°C 0.2°C 0.2°C	Zero Check
DR-602	Battery Coolants Cleaning water	1.15-1.3 sg 0-50°C 0-50°C	0.01 sg 0.1°C 0.1°C	0.02 sg 0.2°C 0.2°C	



REF-113ATC, Hand Refractometer, 0-32% Brix/ATC

Designed to measure sugar content. Just a few sample drops are enough to determine the percentage of dissolved solid, according to the principle for which the refraction index of a solid dissolved is proportionate to its concentration. This is a simple and accurate method, extremely useful for controlling the quality of fruit, jam, vegetables, tomatoes, beet sugar, canned foods, etc., in the field or in the factory. This new revolutionary instrument allows to measure without problems due to temp. changes, eliminating the inconvenient of temperature compensation. until now indispensable for refractometric measuring operations.

Model	Range	Precision
REF-113ATC	0-32% Brix/ATC (10°C-30°C)	0.2%



REF-104, Hand Refractometer, 28-62% Brix

Ideal for concentrated fruit juices and canned foods that use sugar infusion, and half-scale concentration samples.
In the bright/blue field, the boundary line is clearly visible with good contrast.

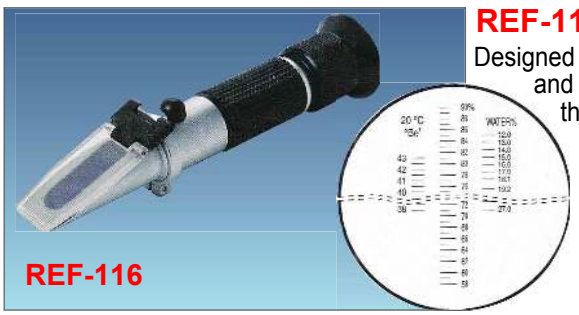
Model	Range	Precision
REF-104	28-62% Brix/ATC	0.2%



REF-105, Hand Refractometer, 45-82% Brix

Standard refractometer used to measure the sugar content of concentrated fruit juices. condensed milk, liquid sugar and marmalade.
and for very dense products, jams, syrups, concentrated ubstances, glucose, treacle.

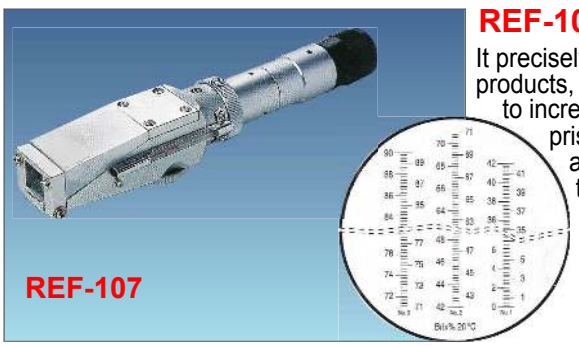
Model	Range	Precision
REF-105	45-82% Brix	0.5%



REF-116, Hand Refractometer, 58-90% Brix

Designed to measure the common indexes of HONEY: high sugar content, Barne and water. It determines the percentage of water in the honey by measuring the refraction index. It permits the determination of the collecting period, conservation and commercial value. Useful for preparing the spring mixtures of the bees.

Model	Range	Precision
REF-116	58-90% Brix	1% Brix
	38°Bé-43°Bé	0.5°Bé
	12-27% water	1% water



REF-107, Hand Refractometer, 0-90% Brix

It precisely determines the sugar content of each solution; suitable for all products, both diluted & concentrated. It adopts a light transmission system to increase the contrast of the boundary line in the field of vision. The Amici prism, inside situated, has been made to eliminate colour. so as to obtain a clear boundary line in the field of vision. Thanks to the special thermometer with which it is equipped, the measurements can be easily corrected by the relatives tables.

Model	Water percentage	Precision
REF-107	0-90% Brix	0.2%
	3 Ranges: 0-42%; 42-71%; 71-90%	



REF-117, Hand Refractometer, 12-27% Brix

Refractometer for honey, for quickly determination of the percentage of water in the honey and relevant Baurne degree.
Manual temperature compensation between 20°C and 40°C.

Model	Water percentage	Precision
REF-117	12-27%	0.2%
	Baumé range	
	38°Bé-43°Bé	1°

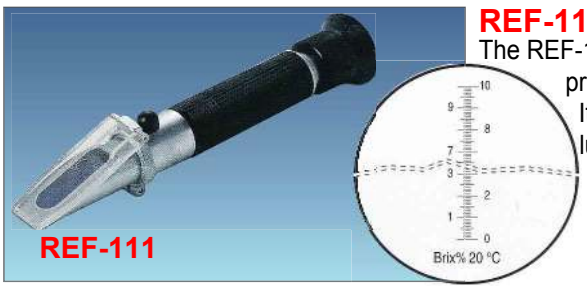
www.prideinstrument.com sales@prideinstrument.com



REF-108, Hand Refractometer, 0-80% Brix

Universal broad-scale refractometer, able to precisely determine the sugar content of all kinds of products.
Selectionable scales between 0 and 80° Brix.

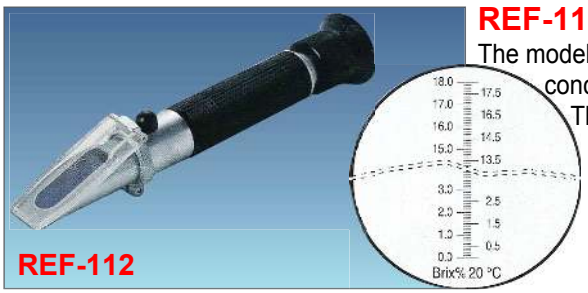
Model	Range	Precision
REF-108	0-80% Brix	1%



REF-111, Hand Refractometer, 0-10% Brix

The REF-111 model features an enlarged Brix scale making possible high-precision measurements.
It can be used to measure the Brix degree in fruit juices, emulsion oils, lubricating oils and all low-concentration substances, with Brix degree of 10% or lower.

Model	Range	Precision
REF-111	0-10% Brix	0.1%



REF-112, Hand Refractometer, 0-18% Brix

The model with high-resolution Brix scale has been developed for low concentrations.
The scale can measure the Brix degree in fruit juices, soft drinks, must wine and various types of drinks, lubricating oils, emulsion oils, tomato, etc.

Model	Range	Precision
REF-112	0-18% Brix	0.1%



REF-113, Hand Refractometer, 0-32% Brix

Designed to measure sugar content. Just a few sample drops are enough to determine the percentage of dissolved solid: according to the principle for which the refraction index of a solid dissolved is proportionate to its concentration. This is a simple and accurate method, extremely useful for controlling the quality of fruit, jam, vegetables, tomatoes, beet sugar, canned foods, etc., in the field or in the factory.

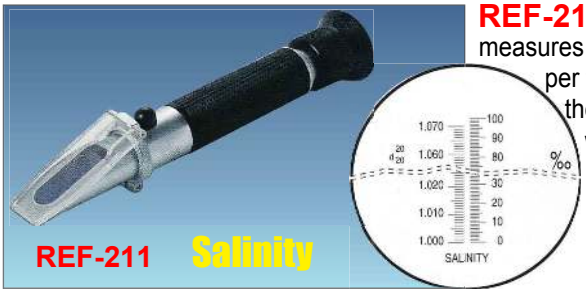
Model	Range	Precision
REF-113	0-32% Brix	0.2%



REF-212, Hand Refractometer, 0-28% Brix Salinity

Refractometer able to determine the percentage of sodium chloride in sea water and in prepared-food solutions. with salt concentration up to 28%. meaning 28g of salt in 100g of solution. Suitable for controlling refrigerating brines. for food treatment liquids used in the processing industry. for brackish and sea water. Instrument calibrated to the refraction index of sodium chloride.

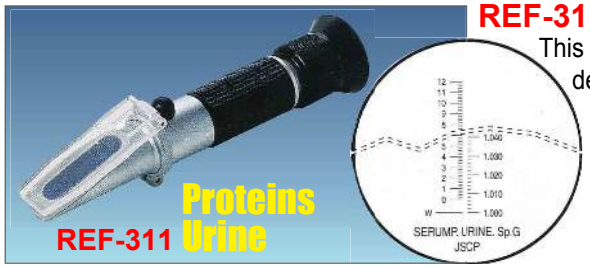
Model	Range	Precision
REF-212	0-28% Brix salinity	0.2%



REF-211, Hand Refractometer, 0-100‰ Brix Salinity

It measures low-concentration salt content. It adopts scale with unit of salinity per thousand (‰). The refractometer is easy to use and quickly provides the direct measurement of saline density and the specific weight of sea water.

Model	Range	Precision
REF-211	0-100‰	1% ₀
	1000-1070 sg	0.001 sg



REF-311, Hand Refractometer, 0-12g/dl Proteins & Urine

This high-precision and widely-used model has been designed to quickly determine the proteins in blood serum and the specific weight of urine; indispensable for all chemical-clinical test laboratories

Model	Range	Precision
REF-311	0-12g/dl	0.2g/dl
	1000-1040 sg	0.002 sg



REF-312, Hand Refractometer, 0-12g/dl Proteins & Urine

Widely used in chemical-clinical test laboratories to determine the proteins in blood serum and the specific weight of urine.

The instrument also features refraction index scale (Nd). to determine the concentration of test reagent solutions. and calibration line (Wt) for instrument control.

Model	Range	Precision
REF-312	0-12g/dl	0.2g/dl
	1000-1050 sg	0.002 sg
	1.3330-13600 RI	0.0005 RI



REF-414, Hand Refractometer, Measuring The Freezing Point

It permits measuring the freezing point of glycol ethylene and propylene solutions. Especially suitable for controlling lead battery charges & concen tration of heat exchange liquid in cooling systems.

Model	Range	Precision
REF-414	0°C/-50°C	5°C
	1.15-1.30 sg	0.01 sg



REF-513, Hand Refractometer, Alcohol

It permits measuring the approximate value of the amount of alcohol in aqueous solutions and the sugar content of grape juice. The scale directly shows measurement results.

Model	Range	Precision
REF-513	0-25%	0.2%



REF-711, Hand Refractometer, 0-26% Babo

Manual instrument indispensable for all grape growers and wine-making industries. It features 3 measurement scales (Brix, Babo, Oechsle), for the quick sight determination of the sugar content of grapes and musts.

Model	Range	Precision
REF-711	0-26% Babo	0.2%
	0-140 °Oechsle	1°
	0-32% Brix/ATC	0.2%



REF-601A, Hand Refractometer, Gemology

Used to measure the refraction index in gemology. It features inner protection for the light, to obtain enough lighting for measuring, and polariser filter.

Model	Range	Precision
REF-601A	1.30-1.81	0.01

www.prideinstrument.com sales@prideinstrument.com

LASER DISTANCE METER

FEATURES:

- Material:ABS+TPE
- Big screen
- Backlit screen display
- Measure:Width/Height/Area/Volume/Indirect-pythagoras/Max/Min



Model No.	LDM-40	LDM-60	LDM-80	LDM-100	LDM-120	LDM-150
Measuring range	40m	60m	80m	100m	120m	150m

TECHNICAL SPECIFICATION

Measuring range	0.05-40;60;80;100;120;150m	Measures Indirect-pythagoras	√
Measuring accuracy	±1.5mm	add,subtract	√
Measuring unit	m/ ft /in/ft+in	change Starting point	√
Measuring time	0.03s-3s	20 memories	√
Laser grade	II	Backlit screen display	√
laser type	630-650nm ; p<1mw	Button's servive life	one million times
Display size	2inch screen	Battery type	2* 1.5V;AAA/200mAh
Water-proof and dust-proof grade	IP54	Battery life	max 6000/3500
Laser auto shut-down	15s	Working temperature range	0℃ - 40℃
Auto shut-down	45s	Storage temperature range	-20℃ -60℃
Measures distance	√	Product size	120*54*29mm
Measures area	√	Weight	88g/92g
Measures volume	√		

LASER DISTANCE METER



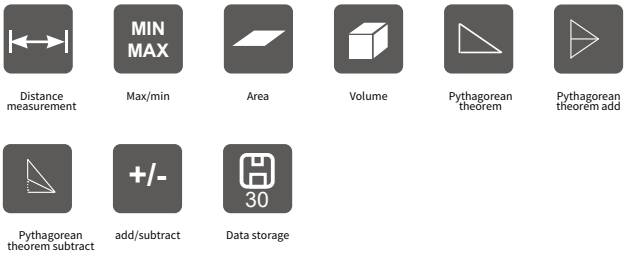
High-end laser rangefinder with camera, designed for outdoor measurement instrument, using large optical lens, real-time Angle display, with Chinese voice broadcast (can be closed), rechargeable battery and dry battery dual-use, the instrument body comes with 1/4 inch tripod interface, can be connected to the tripod use, accurate measurement, strong anti-interference, use a variety of scenarios.

Model No.	LAS-100
Measuring range	100m

Model No.	LAS-150
Measuring range	150m

Model No.	LAS-200
Measuring range	200m

Product function





Camera image aiming


Lithium/dry battery dual use


With auxiliary positioning pick

Measuring Range	0.05~100m 0.05~150m 0.05~200m
Outdoor ranging capability	⩾ 80m (Kodak whiteboard, illuminance 5,00lux)
Ultimate ranging capability	150m (Kodak whiteboard, illuminance less than 500LUX, no reflection paste)
Measuring Accuracy	±2mm±50X10^{-6}XD D is the measurement distance (unit: mm) (Kodak whiteboard, illuminance less than 500LUX, no reflection paste)
Distance Unit	m/in/ft/ft'/in"
Display	Colour screen LCD
Laser Type	505~670nm，＜1mW
Auto shut-down	180s
Automatic cutting laser	30s
Camera auxiliary alignment	Yes
Battery Type	800mAh Lithium battery
Weight	127g
Size	134*56*27mm

DIGITAL ULTRASONIC CLEANER UA



FEATURES

- Industrial Grade Model
- Sweep Function
- Degas Function
- Normal Frequency Function
- Operator Temperature Controls (knob)
- Digital Ultrasonic Timer
- Comes with Free Basket
- Comes with Free Cover
- Comes with Side Handle

TECHNICAL SPECIFICATION

Model No.	UA-1	UA-2	UA-3	UA-6	UA-10	UA-15	UA-22	UA-30
Power	70W	70W	120W	180W	240W	360W	480W	600W
Capacity	1.3L	2L	3.2L	6.5L	10L	15L	22L	30L
Tank dimension	150*135*65 mm	150*135*100 mm	240*135*100 mm	300*150*150 mm	300*240*150 mm	330*300*150 mm	500*300*150 mm	500*300*200 mm
Functions	digital timing,heating							
Remarks	CE,Rosh,FCC Certificates							

DIGITAL TACHOMETER DT2234E



FEATURES

- Display: 5-digit LCD display, character height 18mm
- Test range: 2.5 ~ 99999RPM (r/min)
- Resolution: 0.1 RPM (0.5 ~ 999.9 RPM)
  1 RPM (above 1000 RPM)
- Measurement accuracy: ±(0.05%+1digit)
- Sampling time: 0.6 seconds (above 100 RPM)
- Range selection: automatic switching
- Memory function: automatically memorize the maximum, minimum, last value and 500 instantaneous values.
- Time base: quartz crystal
- Effective distance: 50 ~ 500mm
- Power source: 3×1.5V AA UM-4 batteries
- Power consumption: about 35mA
- Operating temperature: 0 ~ 40℃
- Size: 160×74×37mm
- Weight: 180g (including battery)
- Accessories: 1 portable box
  3 reflective tapes (190mm×11mm) 1 operation manual

DIGITAL TACHOMETER SM2235A



FEATURES

- 5 digits 18mm (0.6") White backlight LCD
- Accuracy: ±(0.05%+1 digit) of reading
- Sampling Time: 0.5sec(over 120RPM)
- Range Select: Auto-Ranging
- Memory: Max. value, Min. value, Last value
  Can store 96s data
- Power Consumption: Approx 45mA
- Time Base: 6MHz Quartz crystal
- Time Base Accuracy: 10x10-6(0~50°C)
- Measuring Range:
- CONTACT TACH: 0.5~19,999RPM
- SURFACE SPEED: 0.05~1,999,9m/min
- Resolution:
- CONTACT TACH:
- 0.1RPM From:(0.5~999.9RPM)
- 1RPM From:((over 1,000RPM)
- SURFACE SPEED:
- 0.01m/min(0.05~99.99m/min)
- 0.1m/min(over 100m/min)
- Battery: 4x1.5V AA Size Battery

PHOTO/CONTACT TACHOMETER DT2236E



FEATURES

- Display: 5-digit large-screen LCD display, character height 18mm
- Measuring range: 2.5 ~ 99999RPM (r/min) non-contact speed
- 0.5 ~ 19999RPM (r/min) contact speed
- 0.05 ~ 1999.9m/min (m/min) contact surface speed
- Resolution: Non-contact speed: 0.1RPM (r/min) (2.5 ~ 999.9RPM)
  1RPM (r/min) (above 1000RPM)
- Contact speed: 0.1RPM (r/min) (0.5 ~ 999.9RPM)
  1RPM (r/min) (above 1000RPM)
- Contact surface speed: 0.01m/min (m/min) (0.05 ~ 99.99m/min)
- 0.1m/min (m/min) (above 100m/min)
- Measurement accuracy: ±(0.05%+1 digit)
- Sampling time: 0.6 seconds (above 100 rpm)
- Range selection: automatic switching
- Time base: 6MHz quartz crystal vibrator
- Effective distance: 50mm ~ 500mm (photoelectric type)
- Size: 155x70x35mm (without contact accessories)
- Power supply: 3 ×1.5V AA batteries

STROBOSCOPE 2240B



FEATURES

- This tachometer is used the microcomputer (CPU) technique, photoelectrical technique and LCD for one instrument combine PHOTO TACH & MOTION & SURFACE MAR.
- Large LCD display with backlight
- Digital control adjust flash frequence
- Low power consumption
  Measure range: 60~39,999RPM
- Coarse/Fine adjust amplitude:
  <1,000RPM Coarse adjust: ±10RPM
  Fine adjust: ±0.1RPM
  ≥1,000RPM Coarse adjust:±100RPM
  Fine adjust: ±1RPM
- Accuracy: ±0.05%
- Resolution: <1,000RPM: 0.1RPM
  ≥1,000RPM: 1RPM
- 10 commonly functions for rotational speed storage, improves the efficiency of measurement.
- Battery: 4x1.5V AA battery

STROBOSCOPE 2350B



Model:2350B-1 (50~12000FPM)
Model:2350B-2 (50~40000FPM)
Model:2350B-3 (50~20000FPM)
Model:2350B-4 (50~30000FPM)
Model:2350B-5 (50~2000FPM)

FEATURES

- Measurement Range :
A : 50~12000FPM B : 50~40000 FPM C : 50~20000 FPM D : 50~30000 FP E : 50~2000 FPM (fit for print and textile)
- Display : 5 10mmLCD
- Accaracy : ± (0.05%n+1d)
- Resolution : 0.1 FPM (Less 1000 FPM) 1 FPM (Over 1000 FPM)
- Sampling time : 0.3second
- 2 ranges : H、L (High,Low)
- Flash adjust : Coarse adjustment、fine adjustment , ×2 and ÷2 for fast check
- Triggering Mode : Interior/Exterior
- Temperature : 0~40℃
- Humidity : Less than 85%RH

LUX METER 1010B

FEATURES

- Display: 3 1/2 digits 18mm LCD
- Measuring Range: 1Lux ~ 50 , 000Lux
  Over-input: indication of "1"
- Accuracy: ±(4% +10digits)
- ±(5% +10digits) as over 10,000Lux
- Temperature Characteristic: ±0.1%℃
- Sampling Time: 0.4second
- Repeatability: ±2%
- Dimensions: 118×70×29mm



DIGITAL LUX METER 1010BS

FEATURES

- 3 1/2 digits 18mm LCD
- Range: 1~100,000Lux
- Accuracy: ≤10,000Lux, ±(4%rdg+10digit)
  >10,000Lux, ±(5%rdg+10digit)
- Resolution: 1Lux
- Repeatability: ± 2%
- Temperature Characteristic: ± 0.1%/℃
- Sampling Time: 0.5 second
- Photo detector: one silicon photo diode with fliter
- Dimensions: 130Lx72Wx30H(mm)
- Over-input: Indication of "1"



DIGITAL LUX METER 1330B

FEATURES

- 3 1/2 digits 18mm LCD
- Range: 0.1~200,000Lux/0.01~20,000FC
- Over-input: Indication of "1"
- Accuracy: ≤20,000Lux, ±(3%rdg+10digit)
  >20,000Lux, ±(5%rdg+10digit)
- Resolution: 0.1Lux
- Repeatability: ±2%
- Temperature Characteristic: ±0.1%/℃
- Sampling Time: 0.5second
- Photo detector: one silicon photo diode with fliter
- Dimensions: 160Lx79Wx43H(mm)
- Date hold, peak hold
- Display in Lux and FC switchable



UNIVERSAL MOISTURE METER 7825P



FEATURES

- Applicable of wood fiber materials, wooden articles, Chinese traditional medicine, tobacco, cotton paper, building, soil and other fibre materials.
- Meaning: Pin type
- Specifications:
  wood over 150 species Building moisture: 0-50%
  Measuring range: 0-80%
  Resolution: 0.1
  Display: LCD display
  Accuracy: ±(0.5%n+0.1)
  Power supply: 4x1.5V AAA (UM-4) battery
  Battery indicator: low battery indicator
  Dimensions: 165x62x26mm
  Weight (not including probe):119g
- Optional accessories: RS-232C cable & software:
  USB adaptor for RS-232C
  Bluetooth interface

UNIVERSAL MOISTURE METER 7825PS



FEATURES

■ Applicable of wood fiber materials, wooden articles, Chinese traditional medicine, tobacco, cotton paper, building, soil and other fibre materials.
■ Meaning: pin & search type
■ Specifications: wood over 150 species
Building moisture: 0-50%
Measuring range: 0-80%
Resolution: 0.1
Display: LCD display
Accuracy: ±(0.5%n+0.1)
Power supply: 4x1.5V AAA (UM-4) battery
Battery indicator: low battery indicator
Dimensions: 165x62x26mm
Weight (not including probe):175g
■ Optional accessories: RS-232C cable & software:
1.USB adaptor for RS-232C
2.Bluetooth interface

PAPER MOISTURE METER MD916



FEATURES

It is used the microcomputer(CPU) technique to measure quickly, accurate.
Digital intelligent MCU paper moisture meter can work on 4 types paper(carton, copperplate paper, writing paper, newsprint) through the spring contact.
precise measuring.

- Digital large size LCD display
- Test Range: 2%~40%
- Accuracy: 0.5%
- Date hold and can hold value
- Low power symbol automatic indicating.
- Battery: one 9V battery
- Dimension: 130Lx64Wx32H(mm)

GRAIN MOISTURE METER MD7822



FEATURES

- Adoption of CPU makes the measurement more accurate.Temperature self-compensation. A big screen LCD with back lighting to ensure the reading is clear and free from parallax. Special energy saving backlight control.
  Grains that can be tested with the meter: wheat, paddy, rice and corn.
- Moisture measurement range: 2%~30%
- Resolution: 0.5%
- Temperature measurement range: -10~60°C(14~140°F)
  Maximum error: ±2°C(±4°F)
- Resolution: 1°C(2°F)
- Ambient temperature: -10~40°C(14~104°F)
- Ambient humidity: 0~70%Rh
- Date hold and can hold value.
- Low power symbol automatic indicating. Battery: 4x1.5V AA battery
- Dimensions:
  174L×73W×38Hmm (for main unit)
  365Lx43Wx25Hmm (for measurement probe)

WOOD MOISTURE METER MD812



FEATURES

- Digital large size LCD display
- Test Range: 5%~40%
- Accuracy: 1%
- Date hold and can hold value
- Battery: one 9V battery
- Low power indicating.
- Can change the testing sensor pins conveniently dispense with the plastic.
- Dimension: 130Lx64Wx32H(mm)

WOOD MOISTURE METER MD912



FEATURES

- Double color pocket size meter, autocorrect environmental temperature, and could select 4 species of the wood test.
- Measuring Range: 2%~60%
- Resolution: 0.5%
- Date hold and can hold value.
- Low power indicating
- Can change the testing sensor pins conveniently dispense with the plastic.
- Battery: one 9V battery
- Dimension: 130Lx64Wx32H(mm)

DIGITAL THERMOMETER DM6801B

FEATURES

- 3 1/2 digit 18mm LCD
- Range: -50℃~1300℃ -58℉~1999℉
- HOLD,℉/℃
- Measurement is selected by pressing
- Dimensions:160L x 79W x 43H(mm)

Resolution	Range	Accuracy
0.1℃	-50℃~199.9℃	±(0.3%+1℃)
0.1℉	-58℉~199.9℉	±(0.3%+1℉)
1℃	-50℃~1300℃	±(0.3%+2℃)
1℉	-50℉~1999℉	±(0.3%+2℉)



DIGITAL THERMOMETER DM6802B (TWO K-TYPE)

FEATURES

- 3 1/2 digit 18mm LCD
- Range: -50℃~1300℃ -58℉~1999℉
- HOLD,℉/℃
- Measurement is selected by pressing
- Dimensions:160L x 79W x 43H(mm)

Resolution	Range	Accuracy
1℃	-50℃~1200℃	±(0.3%+2℃)
	1200℃~1300℃	±(0.6%+2℃)
1℉	-58℉~1200℉	±(0.3%+2℉)
	1200℉~1999℉	±(0.6%+2℉)



TIME THERMOMETERS & HYGROMETER CTH-608

FEATURES

- Read indoor temperatures-hygrometer from inside your house. Large, easy-to-read LCD screen allows you to see the results even in bright sunlight. Unit runs off 1.5VDC AAA batteries.

Features

- Click function display of "hour","minute",and "AM/PM", Time format switch able (12hours format or 24 hours format)
- Temperature measuring range: -10~+60 ℃ (14~140°F)
- Precision: ±1℃ (±1.8°F)
- Resolution: 0.1℃ (0.1°F)
- Humidity measuring ranges:20%RH to 95% RH(Display between 20%RH~99%RH) Resolution:1% precision: ±8%RH
- Memorization of maximum/minimum temperature and maximum/minimum humidity



DIGITAL THERMOMETER AND HYGROMETER CTH-609

FEATURES

- Read indoor temperatures-hygrometer from inside your house. Large, easy-to-read LCD screen allows you to see the results even in bright sunlight. Unit runs off 1.5VDC AAA batteries.

Features

- Click function display of "hour","minute",and "AM/PM", Time format switch able (12hours format or 24 hours format)
- Temperature measuring range:
  INside temperature: -10~+60℃ (14~+140°F)
  Outside temperature: -50~+70 ℃ (-58~+158° F)
- Precision: ±1℃ (±1.8°F)
  Resolution: 0.1℃ (0.1°F)
  Humidity measuring ranges:20%RH~95% RH(Display between 20%RH~99%RH)
- Resolution:1% Precision:±8%RH



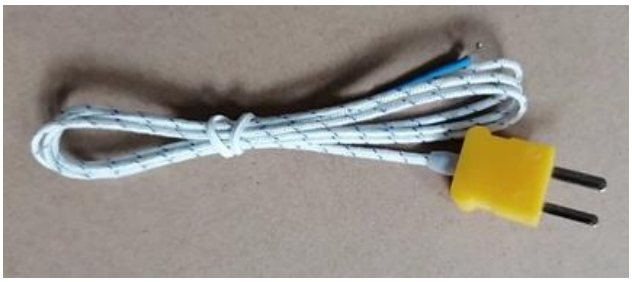
HUMIDITY & TEMPERATURE METER HT-200

FEATURES

- Temperature range : -10 ℃ ~ 50℃ (-30℃ ~ 1000 ℃ K-type)
- Accuracy of temperature : ±1 ℃ or ±1.8 ℉
- Humidity range : 5%RH ~ 98%RH
- Accuracy of humidity : ± 3%(30-95%); ± 5%(10-30%)
- ℃/℉ selection
- Auto /Manual power shut off
- Low battery indication
- Data hold
- Temperature resolution : 0.1 ℃
- Humidity resolution : 0.1%RH
- Sampling rate : 2.5times/sec
- Max/ Min function
- K-type the mocouple temperature measuring
- Large LCD temperature & humidity dual display
- Packing Method : Gift Box+PP box
- Power : 9V Battery
- Unit size : 160*70*30mm
- Standard Quantity Per Carton : 20PCS
- Standard Carton Size : 66.9*45.8*30.7CM
- Standard Carton Gross Weight : 14.2KG



ALL PROBES FOR DIGITAL THERMOMETERS



TP-01



TP-02



TP-03



TP-04



NR-160



LHD-189

TECHNICAL SPECIFICATION

Model No.	Temperature Range	Hot response time	Application
TP-01	-50~200°C	< 5 seconds	Suitable for quickly measuring of air and gas, not suitable for liquid measuring.
TP-02	-50~400°C	< 15 seconds	cable 100cm pin 8cm Suitable for measuring the temperature of liquid and gel.
TP-03	-50~400°C	< 5 seconds	cable 100cm pin 15cm Suitable for quickly measuring of air and gas, not suitable for liquid measuring.
TP-04	-50~400°C	< 5 seconds	cable 120cm pin 16cm Suitable for measuring the temperature of smaller flat surface and crooked surface.
NR-160	-50~400°C	< 5 seconds	cable 150cm Suitable for measuring the temperature of smaller flat surface and crooked surface.
LHD-189	0°C~1300°C	20~23 seconds	Dia8mm*100cm Suitable for measuring temperature of liquid, vapor, gas, and also can measure the surface temperature of solid.

INFRARED THERMOMETER IR300

FEATURES

- Temperature range : -50 ~ 380℃ (-58~716F)
- Accuracy : ±1.5% or ±1.5C
- Repeatability : ±1% or ±1C
- Distance Spot Ratio : 12:1
- Emissivity : 0.95 preset
- Resolution : 0.1C/ F
- Response Time : 500ms
- Wavelength : 8-14μm
- C/F Selection
- Data Hold function
- Laser Target Pointer selection
- Backlight ON/OFF selection
- Auto Power Shut Off
- Ganranttee: 12 months
- Power supply : 9V battery
- Weight : 147.5g (Including battery)
- Dimension : 153*101*43mm
- Packing Method : Blister+Card



INFRARED THERMOMETER IR550

FEATURES

- Temperature range : -50 ~ 550℃ (-58~1022°F)
- Accuracy : ±1.5% or ±1.5℃
- Repeatability : ±1% or ±1℃
- Distance Spot Ratio : 12:1
- Emissivity : 0.95 preset
- Resolution : 0.1℃/℉
- Response Time : 500ms
- Wavelength : 8-14μm
- ℃/℉ Selection
- Data Hold function
- Laser Target Pointer selection
- Backlight ON/OFF selection
- Auto Power Shut Off
- Power supply : 9V battery
- Weight : 147.5g (Including battery)
- Dimension : 153*101*43mm
- Packing Method : Blister+Card



INFRARED THERMOMETER IR700

FEATURES

- Temperature range : -50 ~ 700℃ (-58~1292°F)
- Accuracy : ±1.5% or ±1.5℃
- Repeatability : ±1% or ±1℃
- Distance Spot Ratio : 12:1
- Emissivity : 0.1~1.00 adjustable
- Resolution : 0.1℃/℉
- Response Time : 500ms
- Wavelength : 8-14μm
- MAX/MIN/AVG/DIF reading
- High/Low Temperature alarm setup
- Data Store/Recall Function
- ℃/℉ Selection
- Data Hold function
- Laser Target Pointer selection
- Backlight ON/OFF selection
- Auto Power Shut Off
- Power supply : 9V battery
- Weight : 210g (Including battery)



INFRARED THERMOMETER IR1150

FEATURES:

- Temperature range : -32 ~ 1150℃ (-26~2102℉)
- Accuracy : ±1.5% or ±1.5℃
- Repeatability : ±1% or ±1℃
- Distance Spot Ratio : 20:1
- Emissivity : 0.1~1.00 adjustable
- Resolution : 0.1℃/℉
- Response Time : 500ms
- Wavelength : 8-14μm
- MAX/MIN/AVG/DIF reading
- High/Low Temperature alarm setup
- Data Store/Recall Function
- ℃/℉ Selection
- Data Hold function
- Laser Target Pointer selection
- Backlight ON/OFF selection
- Auto Power Shut Off
- Power supply : 9V battery
- Dimension : 200*155*59mm



INFRARED THERMOMETER IR1350

FEATURES:

- Temperature range : -18 ~ 1350℃ (0~2462℉)
- Accuracy : ±1.5% or ±1.5℃
- Repeatability : ±1% or ±1℃
- Distance Spot Ratio : 50:1
- Emissivity : 0.1~1.00 adjustable
- Resolution : 0.1℃/℉
- Response Time : 500ms
- Wavelength : 8-14μm
- MAX/MIN/AVG/DIF reading
- High/Low Temperature alarm setup
- Data Store/Recall Function
- ℃/℉ Selection
- Data Hold function
- Laser Target Pointer selection
- Backlight ON/OFF selection
- Auto Power Shut Off
- Power supply : 9V battery
- Dimension : 200*155*59mm



INFRARED THERMOMETER IR1650

FEATURES:

- Temperature range : -18 ~ 1650℃ (0~3002℉)
- Accuracy : ±1.5% or ±1.5℃
- Repeatability : ±1% or ±1℃
- Distance Spot Ratio : 50:1
- Emissivity : 0.1~1.00 adjustable
- Resolution : 0.1℃/℉
- Response Time : 500ms
- Wavelength : 8-14μm
- MAX/MIN/AVG/DIF reading
- High/Low Temperature alarm setup
- Data Store/Recall Function
- ℃/℉ Selection
- Data Hold function
- Laser Target Pointer selection
- Backlight ON/OFF selection
- Auto Power Shut Off
- Power supply : 9V battery
- Dimension : 200*155*59mm



INFRARED THERMOMETER IR2200



FEATURES:

- Temperature range : 200 to 2200℃
- Accuracy : ±1.5% or ±1.5℃
- Repeatability : ±1% or ±1℃
- Distance Spot Ratio : 80:1
- Emissivity : 0.1~1.00 adjustable
- Resolution : 0.1℃/℉
- Response Time : 500ms
- Wavelength : 8-14μm
- MAX/MIN/AVG/DIF reading
- High/Low Temperature alarm setup
- 100 data Store/Recall Function
- ℃/℉ Selection
- Data Hold function
- Laser Target Pointer selection
- Backlight ON/OFF selection
- Auto Power Shut Off
- RS232 interface;
- Analyzing software

ANEMOMETER AM-4836V



FEATURES:

- Anemometer is widely used in data collection for boiler, refrigeration industry, ventilation duct, environment monitor, navigation measurement, weather forecast, collection of the weather datum for outdoor busywork and fire department.
- Used to measure air velocity, wind speed, temperature, etc.
- Multifunctional. the measurement unit can be selected according to different requirements.
- Maximum value data hold function.
- DATA HOLD function for storing 24 groups of data.
- Low-friction ball-bearing design allows free vane movement.
- Separate type design, convenient to measure.
- Automatic Power off, 0-9 minutes set by users.
- Use RS-232 data output to connect with PC.
- Provide Bluetooth data output choice.

SOUND LEVEL METER SL264



FEATURES:

- Description

Digital Display with Dynamic Graph,Auto / Manual Range ,Max Hold, F/ S Response, A/ C Weighting,DC/AC Output ,Standard: IEC651 Type2, ANSIS1.4Type2

Measuring Range	30~130dBA 35~130dBC
Accuracy	±1.5dB
Frequency Range	31.5HZ-8.5KHZ
Linearity Range	50dB
AC/DC Output	YES
Auto Power Shut Off	YES
Low Battery Indication	YES
Over Range Indication	YES
LCD Digit	5 Digits
Time Weighting Selection	Fast/Slow
Microphone	1/2 Inch Electret Condenser
Frequency Weighting	YES
Max Hold Function	YES
Power	1.5V AA * 4 PCS
Resolution	0.1dB
Sampling Frequency	2 times/sec

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DIGITAL SOUND LEVEL METER SL260



FEATURES:

- Multi-functional and with 30~130dB wide range
- Built-in calibration signal of 94dB at 1kHz (sinusoidal)
- 4 measurement parameters
  Lp (sound level)
  Leq (equivalent continuous A sound level)
  Lmax (maximum sound level)
  LN (percent of all readings over alarm value set)
- Permits 'A', 'C', or 'Flat' weighting choices and Slow / Fast response time
- 30 memory groups of measurement results and measuring conditions
- Gathered data in meter can be saved, retrieved and deleted and downloaded or transfer to computer directly plus it can also be exported to MS excel
- Adjustable alarm set and an LED alarm output
- 0-1.3V, 10mV/dB DC output
- Auto range selection
- Delivers ultra accurate reading with no guessing errors with high resolution
- Instant, easy to read, legibly written results indicating a specific value
- Adjustable auto power off that can be changed to any value between 1-9min and can also be manually turned off anytime
- CE Marking, Conforms with all the essential health and safety standards set out by the European Directives
- IEC651 Type 2, ANSI 1.4 Type 2 compliant

TECHNICAL SPECIFICATION

- PC interface: Bluetooth + CD Software
- Support WIN 8
- Function: Lp, Leq, Lmax, LN.
- Parameters measured: Lp, Leq, Lmax, LN.
- Measurement range:
  Lp : 30~130dB (A) , 35~130dB (C) , 35~130dB (F)
  Leq : 30~130dB (10s, 1m, 5m, 10m, 15m, 30m, 1h, 8h, 24h interval)
  LN. : 0~100%
- Resolution: 0.1dB
- Accuracy: ±1dB
- Frequency range: 20.0 ~ 12,500Hz
- Frequency weighting: A, C and F (Flat)
- Built-in calibration signals: 94dB at 1kHz (sinusoidal)
- Memory: 30 groups max
- Time weighting: FAST 125mS , SLOW: 1 sec.
- DC output: 0~1.3V, 10mv/dB
- Microphone: 0.5" Electret condenser microphone
- Display: 14mm (0.55") LCD Screen with backlight
- Built-in battery condition indicator
- Alarm: electron, adjusable, 30~130dB set, LED and optional relay contact (NC) output
- Power off: Manual or adjustable Auto Power off time
- Power supply: 4 x 1.5v AAA (UM-4 battery) or External 6V DC 100mA (not included)
- Size: 236 x 63 x26 mm
- Weight: 137g (excluding batteries)

STANDARD DELIVERY

1 x Sound Level Meter
1 x CD Software
1 x Bluetooth
1 x Windscreen / Sponge Ball
1 x Shock Absorbent Carrying Case
1 x English Manual
1x Standard Packaging Box

DIGITAL SCALE

MODEL NO.: POT-50



FEATURES:

- Measuring range: 0 - 50 kg.
- Resolution: 0.005 kg (measuring range 0 - 10 kg), 0.01kg (measuring range 10 - 50 kg).
- Kg/lbs conversion.
- Illuminated LCD display.
- Automatic switch-off.
- Reset.
- Automatic hold function.
- Material: Stainless Steel & ABS Plastic
- Size: 110x65x32mm
- Power supply: 2 * AAA batteries (not included)

DIGITAL POCKET SCALE



FEATURES:

- Pocket Scale designed with a stainless steel platform and a protective flip cover, this pocket scale is a lightweight.
- Pocket Scale have easy touch buttons, large size digits and stark contrast LCD blue backlit display, makes it easy to read in all light conditions.
- Pocket Scale Featuring 4 different weight modes: g / oz / ozt / dwt for easy weight translations, tare function for net determination and a 60 second auto shut off to preserve battery life

MODEL NO.	POC-100	POC-200	POC-300	POC-500	POC-1000
Weighing range (max)	100 g	200 g	300 g	500 g	1000 g
Readability (d)	0.01g	0.01g	0.01g	0.01g	0.1g
Weighing Units	g/ct/dwt/gn/oz/tl/ozt				
Weighing plate [mm]	75x65				
Weight (net)	150 g				

DIGITAL CRANE SCALE



FEATURES:

- Rugged construction with cast aluminum housing
- Convenient 360°swivel shackle & hook
- Low voltage indicator.
- Measures : kg, lb
- Building in lithium battery
- Selectable division value
- Rated Capacity (kg): 50, 100, 150, 200 & 300

Model No.	Capacity(kg)	Resolution(Kg)
PGC50	50	20
PGC100	100	50
PGC150	150	50
PGC200	200	100
PGC300	300	100

DIGITAL CRANE SCALE



FEATURES:

- Super bright 5-digit 30mm LCD display with back lighting
- Light weight aluminum alloy housing
- Measures : Standard remote controller to perform Calibration
- Hold, Zero & Division selection functions.
- Selectable division value
- Convenient 360° swivel hook.
- High capacity rechargeable battery (6V/10Ah), 150 hours of stand by time per full charge.

Model No.	Capacity(kg)	Resolution(Kg)
PAC600	600	0.2
PAC1000	1000	0.5
PAC2000	2000	1
PAC3000	3000	1
PAC5000	5000	2
PAC10000	10000	5
PAC15000	15000	10

DIGITAL MEASURING WHEEL PWL-200



FEATURES:

- Max measuring range: 99999.99 metres
- With the metric system transformation function ·
- Diameter of wheel: 318mm
- Accurcy: ±0.5%
- Display resolution: 0.1m
- Power supply: 3v (2×"AAA" batteries)
- Suitable temperature for use:-10℃- 45℃

MEASURING WHEEL PWL-100

FEATURES:

- The meter walking measuring wheel is made of nylon and thick aluminum tube, durable.
- Unique design of wheel on the centre make comfortable.
- Good design, nice and practical.
- Comfortable design of the handle.
- Lightweight, foldable design, easy to carry and use.
- One button reset design.
- Equipped with precise counter.
- Brake function helps to make precise measurement.
- With start point arrow and kickstand.
- Thickened wear-resistant nylon wheel.



TECHNICAL SPECIFICATION

- Material: PC+Nylon
- Maximum Measurement Range: 0-9999.9m/ft
- Accuracy: ±0.5%
- Minimum Display Value: 0.1m/0.3ft
- Wheel Diameter: 318 mm /12.5inch
- Aluminum Rod Diameter: 43.6mm
- Circle Range: 1000mm
- With meters measuring display.

PRIDE®

WET ABRASION SCRUB TESTER
CROSS HATCH TESTER
DIGITAL PULL-OFF ADHESION TESTER
PAINT FILM APPLICATOR
CUBE APPLICATOR
MICROMETER ADJUSTABLE FILM APPLICATOR
COLOR VIEWING BOOTH
COLOR METER
SALT SPRAY CHAMBER
GRINDOMETER
GLOSS METER
PICNOMETER
WET FILM THICKNESS WHEEL
DRY FILM INSPECTION GAGE
PENCIL HARDNESS TESTER
CONICAL MANDREL BEND TESTER
CYLINDRICAL MANDREL BEND TESTER
FLEXIABLE IMPACT TESTER
IMPACT TESTER
DIGITAL CUPPING TESTER
ZAHN CUP
ISO FLOW CUP
DIN FLOW CUP
DIN FLOW CUP WITH HANDLE
DIGITAL STORMER VISCOMETER
WHIRLING HYGROMETER
SURFACE PROFILE GAGE
ULTRASONIC THICKNESS GAGE
COATING THICKNESS GAGE



ABRASION

WET ABRASION SCRUB TESTER KT-110

This machine is widely used to test the resistance of many materials to scrub, abrasion, washing. Paints, varnishes, other coatings and finishing can be applied on various supporting media e.g. plastic, glass, wood, paper, leather etc., and submitted to the accelerated test, by reciprocating brushes, sponges or abrasives on the samples with (or without) reagent depending on methods. When applicable, the machine is fitted with a dosing peristaltic pump . This machine can be in accordance with ASTM D 2486 or ISO 11998/BS 3900 only through changing the different scrub device. We design two scrub device for these different standard.
Wearing, loss of gloss, damages or soil removal capability of detergents can be observed with high repeatability and reproducibility.

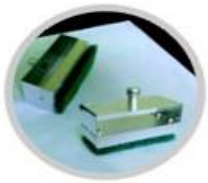
FEATURES:

- Weight of brush (including brushing tools) : 450±2g/135±1g
- Specification of brush : 38mm×90mm
- Distance of brush travel back and forth : 300mm
- Travel frequency : 37±1time/min
- Counter : 4 digit-number
- Input electrical power : 220V/50Hz
- Weight : 32Kg
- Dimension : 570× 420×300mm (L×W×H)





Nylon brush of ASTM 2486



ISO 1998 special bruch



Black plastic panel

TECHNICAL SPECIFICATION

Model No.	Description
KT-110	Wet Abrasion Scrub Tester
KT-110-1	ISO 11998 Special brush
KT-110-2	Black plastic panel (pack of 100)
KT-110-3	Nylon brush of ASTM D 2486

ADHESION

CROSS HATCH TESTER KT-101



FEATURES:

- This is a simple but effective method for determining the coating adhesion on a wide range of substrates. This adhesion tester is ideal for coatings on flat surfaces and is available with one of three different spacings;
  1mm spacing - for coating thickness <60μm (2.4mils)
  2mm spacing - for coating thickness <125μm (5.0mils)
  3mm spacing - for coating thickness <250μm (9.8mils)
- Each cross hatch gauge can be combined in a kit with a standardised brush and x10 magnifier.
- Efficient cross hatch cutter with 6 cutting faces
- Anodised aluminium handle with a wheel for stable operation
- Supplied with an adjustment gauge for accurate positioning of the cutter face for better adhesion test results
- **ASTM D3359,ISO2409-1992,DIN 2409, ECCA T-6,BS 3900E6**

TECHNICAL SPECIFICATION

Model No.	Description
KT-101A	Cross-Cut Kit, 6-edge 1 mm
KT-101B	Cross-Cut Kit, 6-edge 2 mm
KT-101C	Cross-Cut Kit, 11-edge 1 mm

CROSS HATCH TESTER KT-120



FEATURES:

- KT-120 Cross Hatch Cutter provides an instant assessment of the quality of the bond to the substrate. Due to its rugged construction this gauge is ideal for thin, thick or tough coatings on flat or curved surfaces. An ideal field or laboratory test.
- Easy to change cutters
- Ideal for thick or hard coatings
- Large selection of cutters, each with four cuting faces
- **The Full Kit comes complete with:**
  Robust handle, the cutter of your choice, Allen Key (wrench), presentation storage case, eye glass, brush, adhesive tape 3M ,instruction manual and plastic ABS carrying case

TECHNICAL SPECIFICATION

Model No.	**Description**
KT-120A	Cross-Cut Kit, 6-edge 1 mm
KT-120B	Cross-Cut Kit, 6-edge 2 mm
KT-120C	Cross-Cut Kit, 11-edge 1 mm

DIGITAL PULL-OFF ADHESION TESTER KT-130



FEATURES:

- Dolly Size： 20mm (Standard) ；
  10mm、14mm、50mm (Optional)
- Resolution： 0.01MPa (1psi)
- Accuracy： ±1% Full scale
- Max. Pull-off Pressure : 100-3000psi(0.7-20Mpa)
- ISO 4624, 16276-1,ASTM D 4541, D 7234
- Power : Built-in rechargeable lithium battery, charging adapter.
- Adhesion Tester Size : 360mm×75mm×115mm
- Adhesion Tester Weight : 3KG

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APPLICATION

PAINT FILM APPLICATOR

FEATURES:

- The paint film applicator is made using modern technology of metallurgy with precision gringding machine, made of high-grade,corrosion-resistant stainless steel 440C.,allows easy handling of the applicator The accuracy of the Gap Depth is ±1.0 ㎛(50 ㎛ and below)and or 2% of Full Scale.
- Complies with ASTM D 823
- Wet Film Width of : 80mm



TECHNICAL SPECIFICATION

Model No.	Description
KT 202-3	50μm , 100μm , 150μm , 200μm
KT 202-4	30μm , 60μm , 90μm , 120μm
KT 202-8	100μm , 200μm , 300μm , 400μm

PAINT FILM APPLICATOR

FEATURES:

- Used on low viscous paints and non rigid substrates
- Each applicator with four clearances
- Complies with ASTM D823
- Wet Film Width of : 65mm



TECHNICAL SPECIFICATION

Model No.	Description
KT-203-1	50μm , 100μm , 150μm , 200μm
KT-203-2	300μm , 400μm , 500μm , 600μm
KT-203-3	30μm , 60μm , 90μm , 120μm

CUBE APPLICATOR

FEATURES:

- Ideal for the precise and repeatable application of parallel film stripes.
- This applicator is recommended for use in conjunction with our Line Drying Time Recorder.
- Applicators are supplied in a protective storage case with full user instructions included.
- Wet Film Width: 16mm
- Complies with ASTM D823



TECHNICAL SPECIFICATION

Model No.	Description
KT-207-1	38μm , 76μm
KT-207-3	75μm , 150μm

MICROMETER ADJUSTABLE FILM APPLICATOR

APPLICATION

FEATURES:

- Stainless steel knife blade with precision ground edge
- Wet film thickness 6.5mm maximum
- Micrometer head accuracy is ±10μm
- ASTM D 823
- By using high precision micrometer adjustment, this applicator can be set from zero to 8mm in increments of 10μm.
  This applicator is ideally suited to research projects where small variations in film thickness need to be evaluated accurately.



TECHNICAL SPECIFICATION

Model No.	Description
KT 204-2	Micrometric film applicator 100 mm wide
KT 204-3	Micrometric film applicator 150 mm wide
KT 204-4	Micrometric film applicator 200 mm wide
KT 204-5	Micrometric film applicator 250 mm wide
KT 204-6	Micrometric film applicator 300 mm wide

COLOR VIEWING BOOTH P60 Plus (6 light sources)

COLOR

FEATURES

- The Color Viewing Booth render color more accurately. With 6 different light sources(D65, TL84, CWF, TL83/U30, F, UV), which can detect the metamerism.
- Meets or exceeds major international standards for visual color evaluation including: ASTM D1729, ISO3664, DIN, ANSI and BSI.
- Easy to operate by using individual switches for each light source.
- Elapsed time meter for tracking optimal lamp replacement.
- Automatically alternating among light sources.
- No warm-up time or flickering which insures quick and reliable color judgment.
- Economic power consumption and low heat generation for high light efficiency.
- The dimension can be made by customized



About Light Sources :			
Light source	Color viewing booths Application	Color temperature(k)	Power(W)
D65	International Standards Artificial daylight	6500	20
TL84	Applied to stores in Europe, Japan & China	4000	18
CWF	(Cool white fluorescent) American standard	4150	20
F/A	"Sun-setting light yellow" incandescant light source	2700	40
UV	Viewing under ultrioviolet to detect and evaluate optical brighteners or fluorescent pigments.	wavelength:365nm	20
U30	Warm white fluorescent American standard	3000	18

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COLOR VIEWING BOOTH

FEATURES

- Time running display of each light source.
- Auto conversion between light sources; Different spectrum with same color.
- No need warm-up; No flicker; Color assessment quick and reliable.
- Low power-consumption; No heat emission; Efficient illumination.
- Small and convenient.
- Low price with high quality assurance.

Model No.	PAN-604 COLOR VIEWING BOOTH (4 light sources)



Conform to ISO,ASTM,DIN,BSI,ANSI,CIE
D65 --- International-standard Artificial Daylight
Color temperature:6500K Power:20W
TL84 --- Applicable to stores in Europe, Japan and China
Color temperature:4000K Power:18W
F-light -- Comparison referential light source, Applicable to family/ hotel Color temperature:2700K Power:40W
UV ---- Ultraviolet light source
Wavelength:365nm Power:20W
Voltage:220V/50HZ(110v/60HZ)
Dimensions:710x405x570 mm
Weight:28Kg

Model No.	PAN-605 COLOR VIEWING BOOTH (5 light sources)



Conform to ISO,ASTM,DIN,BSI,ANSI,CIE
D65 --- International-standard Artificial Daylight
Color temperature:6500K Power:20W
TL84 --- Applicable to stores in Europe, Japan and China
Color temperature:4000K Power:18W
CWF ---(Cool White Fluorescent)
Color temperature:4150K Power:20W
F-light ---- Comparison referential light source, Applicable to family/ hotel Color temperature:2700K Power:40W
UV ---- Ultraviolet light source
Wavelength:365nm Power:20W
Dimensions:710x405x570 mm
Voltage:220V/50HZ(110v/60HZ)
Weight:30Kg

Model No.	PAN-606 COLOR VIEWING BOOTH (6 light sources)



Conform to ISO,ASTM,DIN,BSI,ANSI,CIE
D65 --- International-standard Artificial Daylight
Color temperature:6500K Power:20W
TL84 --- Applicable to stores in Europe, Japan and China
Color temperature:4000K Power:18W
CWF--- (Cool White Fluorescent)
Color temperature:4150K Power:20W
F-light ---- Comparison referential light source, Applicable to family/ hotel Color temperature:2700K Power:40W
UV ---- Ultraviolet light source
Wavelength:365nm Power:20W
U30--- (Warm White Fluorescent)
Color temperature:3000K Power:18W
Dimensions:710x530x570 mm
Voltage:220V/50HZ(110v/60HZ)
Weight:35Kg

Model No.	PAN-607 COLOR VIEWING BOOTH (Ultra-size)

Conform to ISO,ASTM,DIN,BSI,ANSI,CIE
D65 --- International-standard Artificial Daylight
Color temperature:6500K Power:20W
TL84 --- Applicable to stores in Europe, Japan and China
Color temperature:4000K Power:18W
CWF --(Cool White Fluorescent)
Color temperature:4150K Power:20W
F-light ---- Comparison referential light source, Applicable to family/hotel
Color temperature:2700K Power:40W
UV ---- Ultraviolet light source
Wavelength:365nm Power:20W
U30 ---(Warm White Fluorescent)
Color temperature:3000K Power:18W
Dimensions:1310x600x800 mm
Voltage:220V/50HZ(110v/60HZ)
Weight:60Kg



Optional fittings: Light source diffusing board / 45° normative stand / Lamp container.

Model No.	PAN-609 COLOR VIEWING BOOTH(Amercian type)

Conform to ISO,ASTM,DIN,BSI,ANSI,CIE
D65 --- International-standard Artificial Daylight
Color temperature:6500K Power:20W
TL84 --- Applicable to stores in Europe, Japan and China
Color temperature:4000K Power:18W
CWF ---(Cool White Fluorescent)
Color temperature:4150K Power:20W
F-light ---- Comparison referential light source, Applicable to family/hotel
Color temperature:2700K Power:40W
UV ---- Ultraviolet light source
Wavelength:365nm Power:20W
U30--- (Warm White Fluorescent)
Color temperature:3000K Power:18W
A --- American style shooting light; Referential color-comparing light
Color temperature:2856K Power:60W
Weight:35Kg
Dimensions:710x530x570 mm
Voltage:220V/50HZ(110v/60HZ)



Model No.	PAN-610 COLOR VIEWING BOOTH(British type)

Conform to ISO,ASTM,DIN,BSI,ANSI,CIE
D65 --- International-standard Artificial Daylight
Color temperature:6500K Power:20W
TL84/P15 --- Marks & Spencer special light source
Color temperature:4000K Power:**20W**
F-light ---- Comparison referential light source, Applicable to family/hotel
Color temperature:2700K Power:40W
UV ---- Ultraviolet light source
Wavelength:365nm Power:20W
Dimensions:710x420x570 mm
Voltage:220V/50HZ(110v/60HZ)
Weight:28Kg



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COLOR METER CM-12

TECHNICAL SPECIFICATION

Measuring aperture	4 mm
Geometry	8/d
Sensor	Silicon photoelectric diode
Colour space	CIEL*a*b*C*h CIEL *a*b CIEXYZ
Colour difference formula	ΔE*ab ΔL*ab ΔE*C*H
Light source	D65
Light source device	LED blue light
Errors between each equipment	≤0.50ΔE*ab
Storage	100 standard samples, 20,000 test samples
Repeatability	Standard deviation within ΔE*ab 0.08 Measurement conditions: average of 30 measurements of standard white plate
Power supply	Rechargeable lithium-ion battery 3.7 V @ 3,200 mAh
Charging time	8 hours
Battery life	Approx. 5,000 measurements
Lamp life	5 years, more than 1.6 million measurements
Storage conditions	Air temperature: 0 … +40 °C Air humidity: 0 … 85 % RH, non-condensing
Dimensions	205 x 67 x 80 mm
Weight	500 g



STANDARD DELIVERY

1 x colorimeter
1 x USB cable
1 x soft bag
1 x mains adaptor
1 x hand strap
1 x calibration plate (white)
1 x pc software
1 x instruction manual

COLOR METER CM-17

TECHNICAL SPECIFICATION

Measuring aperture	8 mm
Geometry	8/d
Sensor	Silicon photoelectric diode
Colour space	CIELAB
Colour difference formula	ΔE*ab
Light source	D65
Light source device	LED blue light
Errors between each equipment	≤0.50ΔE*ab
Storage	100 standard samples, 100 groups
Repeatability	Standard deviation within ΔE*ab 0.08 Measurement conditions: average of 30 measurements of standard white plate
Power supply	Rechargeable lithium-ion battery 3.7 V @ 3,200 mAh
Charging time	8 hours
Battery life	Approx. 5,000 measurements
Lamp life	5 years, more than 1.6 million measurements
Storage conditions	Air temperature: 0 … +40 °C Air humidity: 0 … 85 % RH, non-condensing
Dimensions	205 x 67 x 80 mm
Weight	500 g



COLOR METER CM-15P

APPLICATION

CM-15P is a portable spectrophotometer developed by us using its own core technology of spectroscopy. It uses a built-in silicon photodiode array (dual-row 24 groups) sensor, an imported white board, and the repeatability ΔE*ab can be easily controlled within 0.04. CR8's powerful performance configuration and excellent inter-instrument error make color measurement more professional, while also ensuring the consistency of measurement data of multiple devices. CM-15P spectrocolorreader takes into account the measurement speed and the convenience of operation at the same time. The color can be controlled through the PC-side software, and it can also be seamlessly connected to the mobile device through Bluetooth.It greatly expands the application space of the colorimeter, and makes the traditional colorimeter glow with a different application charm.



Aperture: Φ8mm or Φ4mm

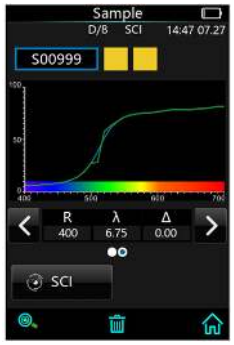


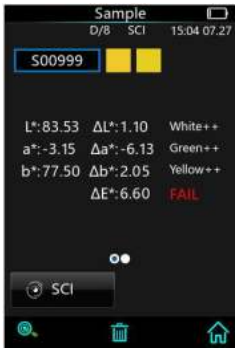
TECHNICAL SPECIFICATION

Measurement aperture	Single aperture: Φ8mm (Φ4mm optional)
Optical geometry	D/8 (diffuse illumination, 8° direction reception)
	SCI measurement
	Comply with standard CIE No.15,G,18833,ISO7724-1,ASTME1164, DIN5033 Teil7
Integrating sphere size	Φ40mm
Light source	Combined full-spectrum LED light source
Spectroscopic method	Planar grating
Wavelength range	400~700nm
Wavelength interval	10nm
Semiband Bandwidth	10nm
Measurement range	L:0~120
	Reflectivity: the instrument can test the reflectivity at 3 specific wavelengths specified by the user (default 440nm, 550nm, 600nm), APP can realize the full-band wavelength display
Focusing method	Fixed Focus
Specular component	SCI
Color space	CIE LAB,XYZ,Yxy,LCh
Color difference formula	ΔE*ab,ΔE*00
Observer angle	10°
Illuminant	D65,A,F2(CWF)
Displayed data	Reflectivity(at 3 specific wavelengths specified by the user)chromaticity value, color difference value/graph, pass/fail result, color simulation, color offset
Display Accuracy	0.01
Repeatability	Chromaticity value: MAV/SCI, ΔE*ab within 0.04 (When a white calibration plate is measured 30 times at 5 second intervals after white calibration)
Inter-instrument error	MAV/SCI, within ΔE*ab 0.35(Average for 12 BCRA Series II color tiles)
Battery power	Lithium battery, 6000 times in 8 hours
Illuminant life span	5 years, more than 3 million times measurements
Display	TFT true color 3.5inch, capacitive touch screen
Data port	USB, Bluetooth® 5.0
Data storage	500 standard samples, 1,0000 samples , APP mass storage









CORROSION

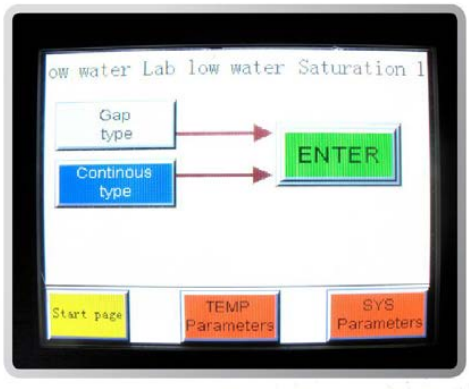
SALT SPRAY CHAMBER

FEATURES:

- LCD touch screen controller supports the continuous and intermittent testing.
- Refilling water automatically when water level is insufficient.
- The whole part of the device is made of Excellent PVC sheet and the inside of the device is reinforced by using a special lining material. Hence, it is sturdily made and will not transform forever.
- The test chamber is heated from five directions in order to ensure the temperature difference in the chamber must be kept within±1 Celsius degree.
- Spray nozzle: The nozzle is specially made to enable it to suck up the salt Water and then spray it out in the shape of mist with considerable high speed. When it falls on the surface of the item being tested , the difference of fallen mist must be controlled within ±0.3ml per 80 square centimeter H.
- **International standards: IS09227,ISO7253,ASTMB117,ASTMB368,JIS-D0201**







TECHNICAL SPECIFICATION

Model No.	SS108L	SS270L	SS480L	SS800L	SS1440L
Inside Dimensions(mm)	600x450x400	900x600x500	1200x850x500	1600x1000x550	2000x1200x600
Outside Dimensions(mm	1130x630x1070	1460x910x1280	2200x1200x1450	2600x1450x1550	3000x1650x1600
Chamber Volume	108L	270L	480L	800L	1440L
Saline Box Capacity	15L	25L	40L	40L	40L
Testing Temperature	NSS ACSS 35℃±1℃/ CASS 50℃±1℃				
Air Temperature	NSS ACSS47℃±1℃/CASS 63℃±1℃				
Accuracy of Temperatur	±1℃				
PH Value	NSS ACSS:6.5~7.2 / CASS:3.0~3.2				
Supply Power	AC220V/50Hz AC110V/60Hz 1Φ20A		AC 220V/50HZ AC110V/60HZ 1Φ30A		

STANDARD DELIVERY

Power cable	1PC	PVC V-shape bracket	1SET	Operation manual	1 COPY
Wet inductive cotton	5 PCS	Φ10mm glass rod	1SET	3M soft exhaust pipe	1PC
5M soft inlet and outlet water pipe	1PC	9.5L Salt water mixer	1 PC		

GRINDOMETER

DISPERSION

FEATURES:

- Grindometer is used to indicate the fineness of grind or the presence of coarse particles or agglomerates in a dispersion. It does not determine particle size or particle size distribution.
- Grindometer is a flat steel block in the surface of which are two flat-bottomed grooves varying uniformly in depth from a maximum at one end of the block to zero near the other end. Groove depth is graduated on the block according to one or more scales used for measuring particle size.
  Most gages will have one scale marked in either mils or microns.
  1 mil = 25.4 microns
  1 mil = 0.001 inch
  1 micron, µm - 0.001 mm
  The Hegman scale ranges from 0 to 8 with numbers increasing as the particle size decreases.
  0 Hegman = 4 mil/100 micron particle size
  4 Hegman = 2 mil/50 micron particle size
  8 Hegman = 0 mil/0 micron particle size
- We offer a wide variety of grind gages varying in scales, number of grooves, length and width of grooves and size of the block.
- **Complies with ISO 1524,DIN EN ISO NF 21524,ASTM D1210,ASTM D1316,ASTM D333,DIN 53203,NFT 30046**





KT 210-0S



KT 210-3



KT 211-2

STANDARD DELIVERY

- Grind Block
- Scraper
- Application Manual
- Reusable Storage Case

TECHNICAL SPECIFICATION

Model.No	Dims(mm)	Path Width(mm)	No.of Paths	Range (um)	Range (Hegman)	Range (MILS)
KT 210-0S	120×25×13	12	1	0-15	--	--
KT 210-1S	120×25×13	12	1	0-25	--	--
KT 211-0	165×37×13	12	2	0-15	--	--

Model.No	Dims(mm)	Path Width(mm)	No.of Paths	Range (um)	Range (Hegman)	Range (MILS)
KT 210-1	170×50×15	12	1	0-25	8-6	--
KT 210-2	170×50×15	12	1	0-50	8-4	--
KT 210-3	170×50×15	12	1	0-100	8-0	--
KT 210-4	170×50×15	12	1	0-150	--	--

Model.No	Dims(mm)	Path Width(mm)	No.of Paths	Range (um)	Range (Hegman)	Range (MILS)
KT 211-1	175×65×15	12	2	0-25	8-6	0-1
KT 211-2	175×65×15	12	2	0-50	8-4	0-2
KT 211-3	175×65×15	12	2	0-100	8-0	0-4

GLOSS METER PAN60 /PAN268

GLOSS



APPLICATION

- Measurement of Paint and Dope surface gloss on Car, Electronic appliance and Musical instrument industry.
- Measurement of floor board, marble, granite and ceramic tile gloss on architecture, decoration industry.
- Measurement of printing ink and paper on Printing and Casing industry.
- Measurement of the others need to be measured.
- Hard drawn aluminum alloys
- Complies with ASTM D523,ASTM D2457,ISO 2813,ISO 7668,DIN 67530,JIS Z8741

FEATURES

- Small and light, real easy to be carried and used.
- One 1.5V battery can be used for almost 60 hours and 10000 reading.
- High stability
- Long-term stable light source needs no replacing for ever.
- Ouartz crystal standard board, no excursion.

TECHNICAL SPECIFICATION

Model No.	PAN268	PAN60	PAN75	PAN45	PAN60C	PAN60D	PAN60-L
Geometry	20°60°85°	60°	75°	45°	60°	60°	60°
Measurement Range(Gu)	20°0~99.9 100~1999 60°0~99.9 100~999 85°~99.9 100~160	0~199.9				0~99.9 100~1000	0~199
Stability (Gu/30 Min)	±0.4						±1
Readout error(Gu)	±1.2					±1.2 1.5%	±2
Power supply	1.5 v AA(Li-ion 4.2v for rechargeable)						
Measurement spot(mm)	10x10 (20°) 10x20 (60°) 8x30 (85°)	10x20	8x20	10x14	2x2	10x20	25x50
Window size mm	11x52	14x28	12x48	14x20	Φ4	14x28	26x52
Dimensions L x W x H mm	143x32x64	114x32x64					
Weight(g)	390	180					
Application	Paint、Coating、Printing		Paper	Plastic Ceramics	Curve Object and small size object	Metal、Dope、Plating layer	Marble Granitic
International Standards	ISO2813 ASTMD523 DIN-67530		TAPPI -T804	ASTM-C346 ASTM-2767	ISO2813, ASTMD523	ISO2813, ASTMD523, IS07668	ASTMD523, ISO 2813

GLOSS METER GLS-60E

Gloss meter GLS-60E is a portable handheld 60-degree reflective gloss meter or gloss tester used to measure the gloss units (GU) on a material's surface. This rechargeable gloss meter uses reflected light for gloss measurement per ISO 2813, GB/T 9754, ASTM D523 and ASTM D2457 standards.
GLS-60E glossmeter is used widely by manufacturing quality control and assurance professionals for gloss spot checks during the production process.

FEATURES:

- 60° measuring geometry
- 3.5" TFT touchscreen display
- Built-in rechargeable battery
- Quick 0.5 second measuring time
- 0 ... 200 GU gloss measurement range
- Self-calibration possible using included calibration plate
- Chromaticity fulfills CIE 1931 2° under a CIE illuminant C
- Data transfer to computer via included USB cable and PC software



TECHNICAL SPECIFICATION

Measuring geometry	60 °
Display	3.5 " TFT touchscreen display
Standards	ISO 2813 GB/T 9754 ASTM D523 ASTM D2457
Measuring surface	9 x 15 mm / 0.36 x 0.60"
Measuring range	0 ... 200 GU
Readability	1 GU
Repeatability	±1 GU
Reproducibility	±1 GU
Chromaticity	Fulfills CIE 1931 2° under a CIE illuminant C
Measuring accuracy	±1.5 / ±1.5 %
Measuring time	0.5 second
Dimensions	160 x 75 x 90 mm / 6.3 x 3 x 3.5"
Weight	350 g / 0.78 lb
Menu languages	English, Chinese
Power supply	3200 mAh Li-ion rechargeable battery
Data interface	USB / RS-232
Operating temperature	0 ... 40 °C / 32 ... 104 °F
Storage temperature	-20 ... 50 °C / -4 ... 122 °F
Relative humidity	< 85% RH (non-condensing)

STANDARD DELIVERY

1 x GLS-60E gloss meter
1 x charging adapter
1 x USB cable
1 x PC software
1 x calibration plate
1 x user manual
1 x carrying case

GLOSS METER GLS-60

GLS-60 gloss meter has a measuring geometry of 60 °.This rechargeable gloss meter uses reflected light for gloss measurement per ISO 2813, ASTM D523 and ASTM D2457 standards.
GLS-60E glossmeter is used widely by manufacturing quality control and assurance professionals for gloss spot checks during the production process.



FEATURES:

- Measuring geometry: 60 °
- 3.5" TFT
- Internal measurement value storage up to 1000 measurement values
- Calibration plate included in the delivery content
- Short measuring time
- With evaluation software

TECHNICAL SPECIFICATION

Measurement geometry	60 °
Display	3.5 " TFT touch display
Standards	ISO 2813 GB/T 9754 ASTM D 523 ASTM D 2457
Measuring surface	9x15 mm
Measuring range	0 ... 300 GU
Readability	0.1 GU
Repeatability	Meas. range 0 ... 10 GU: ±0.1 GU Meas. range 10 ... 100 GU: ±0.2 GU Meas. range 100 ... 300 GU: ±0.2 GU (%)
Reproducibility	Meas. range 0 ... 10 GU: ±0.2 GU Meas. range 10 ... 100 GU: ±0.5 GU Meas. range 100 ... 300 GU: ±0.5 GU (%)
Chromaticity Measurement accuracy	Fulfils CIE 1931(2 °) under a CIE C – light source ±1.5 / ±1.5 %
Measuring time	0.5 second
Dimensions	160 x 75 x 90 mm
Weight	350 g
Menu language	English, Chinese
Power supply	3200 mAh Li-ion rechargeable battery
Interface	USB / RS-232
Measuring storage	Baseline measurement: 1000
Software	Included
Operating temperature	0 ... +40 °C
Storage temperature	-20 ... +50 °C
Relative humidity	<85% rel. humidity (non-condensing)

STANDARD DELIVERY

1 x gloss meter GLS-60
1 x rechargeable lithium-ion battery
1 x charging adaptor
1 x USB cable
1 x calibration plate
1 x evaluation software (on a CD-ROM)
1 x instruction manual

GLOSS METER GLS-268

Gloss meter for mobile use / flexibility due to various measuring geometries /
3.5 " TFT display / very short measuring time / internal memory for readings / including evaluation software

The GLS-268 gloss meter works with measuring geometries of 20 °, 60 ° and 85 °, using the reflection principle. This means that the gloss meter emits light which hits the surface to be tested. A part of the light will be absorbed by the surface and another part will be reflected. After this, the gloss meter will calculate the degree of gloss.

FEATURES:

- Various measuring geometries
- 3.5" TFT
- Internal measurement value storage
- Calibration plate included in the delivery content
- short measuring time
- Evaluation software



TECHNICAL SPECIFICATION

Measurement geometry	20 ° / 60 ° / 85 °
Display	3.5 " TFT touch display ISO 2813
Standards	ASTM D 523 ASTM D 2457
Measuring surface	20 ° : 10 x 10 mm 60 ° : 9 x 15 mm 85 ° : 5 x 36 mm
Measuring range	20 ° : 0 ... 1000 GU 60 ° : 0 ... 1000 GU 85 ° : 0 ... 160 GU
Readability	0.1 GU
Repeatability	Meas. range 0 ... 10 GU: ±0.1 GU Meas. range 10 ... 100 GU: ±0.2 GU Meas. range 100 ... 1000 GU: ±0.2 GU (%) Meas. range 0 ... 10 GU: ±0.2 GU
Reproducibility	Meas. range 10 ... 100 GU: ±0.5 GU Meas. range 100 ... 1000 GU: ±0.5 GU (%) Fulfils CIE 1931(2 °)
Chromaticity	under a CIE C – light source
Measurement accuracy	±1.5 / ±1.5 %
Measuring time	0.1 second
Dimensions Weight	160 x 75 x 90 mm
Menu language Power	350 g
supply Interface	English, Chinese
Measuring storage	3200 mAh Li-ion rechargeable battery USB / RS-232 Baseline measurement:1000
Operating temperature	0 ... +40 °C
Storage temperature	-20 ... +50 °C
Relative humidity	<85% rel. humidity (non-condensing)

STANDARD DELIVERY

1 x gloss level meter GLS-268
1 x charging adaptor
1 x rechargeable lithium-ion battery
1 x USB cable
1 x calibration plate
1 x evaluation software (on a CD-ROM)
1 x instruction manual

DENSITY

PICNOMETER

FEATURES:

- The PICNOMETER should remain constant from batch to batch.Also known as Density(Specific Gravity)Cups.Pyknometers are used to determine the specific weight per unit volume of a lqiuid at a given temperature.
  A stainless steel or anodised aluminium pyknometer for determining the specific weight of paints and similar products.A tolerance of 0.1% is guaranteed.
  Testing is carried out in accordance with ISO at 23±2℃.
  This picnometer consists of a cylindrical container and cover with a hole for exhaust of excess liquid for any excess Paint(or Ink)to be removed when the cup cover is pressing tightly.By doing so,will also ensure that no air bubbles(or pockets of air)are being trapped.
- **Complies with ISO 2811, DIN 53 217, ASTM D 1475**







TECHNICAL SPECIFICATION

Model no	Capacity	Unit	Material
KT 220-1	37cc/ml	Metric	Copper with nickel plate
KT 220-3	50cc/ml	Metric	Stainless steel
KT 220-5	100cc/ml	Metric	Stainless steel

FILM THICKNESS

WET FILM THICKNESS WHEELS KT 270

FEATURES:

- Specially developed for use on wet lacquers, paint and oil coated surfaces. Made of stainless steel. The center disc features a precision ground excentric groove to pick up the coating medium,to be measured after rolling the gauge onto the surface, beginning with the deepest groove.
  Complies with: ASTM D1212-91-A, ISO 2802-1B, BS 3900-C5-1B, NF T30-125



TECHNICAL SPECIFICATION

Model No.	Measuring range	Graduation
KT 270-1	0-25µm	2 µm
KT 270-2	0 - 50 µm	2 µm
KT 270-3	0 - 125 µm	5 µm
KT 270-4	0 - 250 µm	10 µm
KT 270-5	0 - 500 µm	20 µm
KT 270-6	0 - 1000 µm	50 µm

PIG MULTI-PURPOSE DRY FILM INSPECTION GAUGE KT-276

FEATURES:

- Solid aluminium body
- For coatings up to 1250 µm
- The total thickness and individual coating thicknesses can be measured
- The body of the P.I.G. is cast from aluminium and contains a microscope, a lamp and the groovecutting bit. Two legs extend from the unit on the same side as the cutting bit and are used as stabilizers when making the incision. The microscope has built-in measurement scale with major graduations in 20 microns.
- Complies with ASTM D 4138,ASTM D 3359,DIN 53151,DIN EN ISO2815



TECHNICAL SPECIFICATION

Description	Serial No	Angle	Range(um)
Carbide Cutter	No.1	45°	20-2000
Carbide Cutter	No.2	26.6°	10-1000
Carbide Cutter	No.3	5.7°	2-200
Cutter(1mm)	No.4	90°	0 – 60
Cutter(2mm)	No.5	90°	50 – 125
Buchholz	No.6	90°	R.15mm

STANDARD DELIVERY

PIG.Gauge with 6 cutting tools
Battary and bulb
Black MARK pen Screwdriver
2 piece Additional Weights
500g Storage box

HARDNESS

PENCIL HARDNESS TESTER KT-265

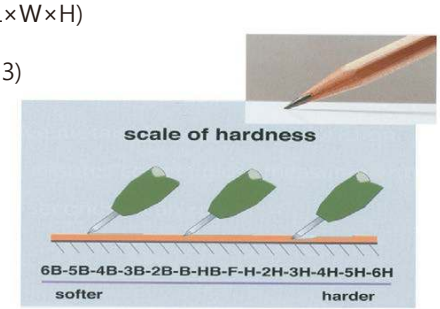
FEATURES:

- To measure the hardness of coating film based on the hardness grade of pencil. The advantages are small volume, light weight. It is convenient to measure the hardness at the laboratory and construction site.
- Complies with ASTM D 3363, ISO 15184, and BS 3900 E19

TECHNICAL SPECIFICATION

- Load on the point of pencil:500g,750g,1000g±5g
- Overall dimensions:120×75×60mm(L×W×H)
- Weigh: 2.3kg
- Pencil model: 6B~HB~6H(Quantity 13)





STANDARD DELIVERY

- Pencil Hardness Tester
- 750g/1000g Weight
- Pencils (6B-6H)
- Eraser
- Knife
- Horizontal Pad Block

www.prideinstrument.com sales@prideinstrument.com

ODM G@QC MDRR SDRSDQ KT-267



FEATURES:

- Used to accurately measure and record the hardness of various materials (such as coatings, plastic, wood or metal surface hardness)
- The measured surface can be flat or curved.
- Not limited by area size.
- Easy to operate, stable performance.
- Easy to carry and other characteristics.

TECHNICAL SPECIFICATION

Pressure test spring material	Spring steel
Test head material	Tungsten carbide
Test head diameter	0.5mm (Opel, optional)
	0.75mm (Bosch, standard)
	1.0mm(optional) (conforming to IS01518 and DEF)
Spring pressure range	0~3N (marked in blue)
	0~10N (marked in red)
	0~20N (yellow mark)
	0~40N (white mark), (optional)

IMPACT / FLEXIBILITY

CONICAL MANDREL BEND TESTER KT-230



FEATURES:

- Conical Mandrel Bend Tester is applicable to determine extensibility of paint coatings on metal panels which are clamped in position and formed round the conical mandrel by rotating of the roller frame. The panels are examined to evaluate crack resistance and detachment from the metal substrate of coated surface which is coated with paint under standard condition.
- Complies with ISO6860,ASTM D522,DIN 53150,BS 3900 E11

Dimension ne **conical mandrel**	Major diameter - 38 mm Minor diameter – 3.2 mm Length - 203 mm
Test piece thickness	0.3-0.8 hard / 0.3-5mm soft
Angle of bending	135°
Weight	7kg

CYLINDRICAL MANDREL BEND TESTER KT-232



FEATURES:

- KT-232 cylindrical mandrel bend tester is used to assess the coating layers of the pigmented paints,the varnishes and the relevant products.It is the special instrument testing the crack resistance or the stripping performances from the metal plates at bending around the cylindrical shaft.
- Complies with ISO 1519,ASTM D522 and DIN 5352

TECHNICAL SPECIFICATION

- Shaft stick diameter:2mm,3mm,4mm, 5mm,6mm,8mm, 10mm, 12mm,16mm,20mm,25mm.32mm
- Thickness of bottom material for the test plate: less than 1.0mm

FLEXIABLE IMPACT TESTER KT-234

FEATURES:

- Impact Tester is used to test the resistance of coloured steel sheet and other coating film and its substrate to the effects of rapid deformation.
- Complies with ASTM D 2794、ISO6772

TECHNICAL SPECIFICATION

- Drop height : 0-100 cm(0-40in)
- The falling weight : 1kg×2 pieces 21bs×2 pieces
- Diameter of the striking steel ball : Φ20mm Φ0.625in
- Overall dimensions : 300×240×1400mm
- Instrument net weight : 18kg



KT, 233



KT, 235B

KT, 235A

IMPACT TESTER KT-235

- Impact tester is used to test film resistance to impact by a weight that drops down from a specified height. It s completely in accordance with international standards: ISO6272、ASTM D2794、D3029、D4226

Model No	KT, 235A	KT, 235B
Hammer weight (kgs)	1±0.001 g	1±0.001g
Diameter of striking-head (mm)	Φ 8	Φ 8
Impacting height (cm)	0-50	0-100
Weight (kgs)	12.6	15
Shape size (lxwxh) mm	200x200x800	200x200x1300

DIGITAL CUPPING TESTER KT-237

FEATURES:

- Cupping Tester is applicable to evaluate crack resistance and detachment from the metal substrate of coated surface which is coated with paint, varnish, etc., after the coating layer is deformed gradually under standard condition. The sample panel (max. 1.25mm thick×70 mm width, coated min.0.03mm) is clamped by an upper wheel and manually cupped by a ϕ20mm hemispherical indenter onto a ϕ27mm die by a drive wheel. The depth to cause failure is indicated on a precise digital display. The results can be easily observed with an illuminated magnifier.
- Compliance with ISO 1520、BS 3900 Part 4、DIN 1502 etc
- Automatic coordinate positioning system: machine can memorize the home position after being zeroed, and locate the plugs position automatically. Therefore, the traditional error caused by replacement or wobble can be eliminated.
- Highly precise position sensor: the minimum division value of the depression depth can reach 0.01mm.
- Applicable for every kind of substrate, and the maximum pressure can reach 2500N.
- The coordinate position of the plug can be zeroed manually and can be memorized while it is cold.
- Hand twist operation: laborsaving and easy-handling.



TECHNICAL SPECIFICATION

- Diameter of punch : ϕ20mm
- Distance: 0-14mm
- Resolution : 0.01mm
- Accuracy: 0.05mm
- Panel width: 70mm
- Weight : 20Kg
- Dimensions : 230×300×280mm （L×W×H）

STANDARD DELIVERY

Digital cupping tester
Magnifier with illumination
Bracket for magnifier
User manual

www.prideinstrument.com sales@prideinstrument.com

VISCOSITY

ZAHN CUP KT-260

FEATURES:

- KT 260 Zahn Cups can be used to quickly measure the viscosity of liquids such as Paint,Ink,Varnishes,Syrup and Oil.The Stainless Steel Cups are molded precisely and the orifices are precision drilled using high-speed CNC drilling.
- Complies with ASTM D 816, ASTM D 1084,ASM D 4212
- **Technical Parameters:**
  Volvme of Cup: 44ml
  Length of Handle:40±0.1mm
  Height of Cup:58±0.1mm
  Centistokes×Specific Gravity=Centiposie



Model No.	KT 260-1	KT 260-2	KT 260-3	KT 260-4	KT 260-5
Details/Zahn cup	Zahn cup 1#	Zahn cup 2#	Zahn cup 3#	Zahn cup 4#	Zahn cup 5#
Orifice Ø	1.8mm	2.7mm	3.8mm	4.3mm	5.3mm
Zahn Range (sec)	35-80	20-80	20-80	20-80	20-80
Centistokes Range	5-56	21-231	146-848	200-1200	400-1800
Applications	Very Thin Oil	Thin Oil , Paint Lacquer	Medium Oil Mixed Paint	Viscous Liquid and Mixtures	Very Viscous Mixtures

ISO FLOW CUP KT261

FEATURES:

- ISO Flow Cups is applicable to determine the flow time of Newtonian and near Newtonian fluids.
- Complies with ISO 2431,DIN 53224, EN 535;ASTM D5125
- Material : Anodized Aluminium
- Weight : 1Kg



Model No	KT261-1	KT261-2	KT261-3	KT261-4	KT261-5
Details/ISO cup	ISO-3	ISO-4	ISO-5	ISO-6	ISO-8
Ø Orifice (mm/inches)	3	4	5	6	8
Range seconds	30-100	25-100	25-100	25-100	25-100
Range cSt	7-42	34-135	91-326	188-684	600-1100

FORD FLOW CUP KT262

FEATURES:

- Ford Cups is easy and handy measurement of the viscosity of paints,inks,lacquers and other liquids.
- Produced from anodized aluminium,with stainless steel orifice.
- Complies with ASTM D1200,D333,D365



Model No	KT262-1	KT262-2	KT262-3	KT262-4	KT262-5
Details/Ford cup	Ford Cup 1	Ford Cup 2	Ford Cup 3	Ford Cup 4	Ford Cup 5
Internal Vertical Height	43mm	43mm	43mm	43mm	43mm
Ø Orifice (mm)	1.9 mm	2.53 mm	3.40mm	4.12mm	5.2mm
Centistokes Range	10-35	25-120	49-220	70-370	200-1200
Efflux Time(sec)±0.2	25-105	25-105	25-105	20-105	20-105

DIN FLOW CUP

FEATURES:

- DIN Flow Cup is applicable to the determination of viscosity of a certain coating materials of which the flow time determined by it is under 150s Main Technical Parameters
- Volume of cup : 100ml
- Inside diameter of orifice : Φ4mm
- Correct coefficient : (0.97～1.03) 25℃±2℃
- Weight : 300g



Model No.	Ø Orifice (mm)	Viscosity(cSt)	Flow times(s)
KT 263-1	2	15-30	25-150
KT 263-2	4	96-683	25-150
KT 263-3	6	550-1500	--
KT 263-4	8	1200-3000	--

DIN FLOW CUP WITH HANDLE

FEATURES:

- Dip Cup are designed for quick, approximate determination of efflux times for paints,And similar liquids in workshops, at paint manufacturers and customers.
- Capacity:100ml DIN 53211



Model No.	Ø Orifice (mm)	Viscosity(cSt)	Flow times(s)
KT 264-1	2	15-30	25-150
KT 264-2	4	96-683	25-150
KT 264-3	6	550-1500	--
KT 264-4	8	1200-3000	--

DIGITAL STORMER VISCOMETER KU-5

FEATURES:

- Digital Stormer Viscometer measures fluid viscosity in Krebs Units.A paddle type spindle is driven at 200rpm by a constant speed motor.The reaction torque of the spindle rotating at 200rpm is converted to viscosity in Krebs Units.The digital display of the viscometer shows viscosity in Krebs Units(KU),the associated grams value(gm),and viscosity in centipoise(cP).
- Complies with ASTM-D562
- Measure range : 40KU—141KU, 32gm—1099gm, 27cP—5274cp
- Accuracy : ±1% (F.S)
- Reproducibility : ±0.5% (F.S)
- Speed: 200 RPM (±0.01RPM)
- Measuring containers: 1 pint、1/2 pint
  Input Voltage: 100V-240V,50Hz/60Hz
  Net Weight: 7 Kg



WHIRLING HYGROMETER KT-250A

FEATURES:

- Whirling hygrometers, also known as sling psychrometers, employ the "wet" and "dry" bulb principal to determine %RH. They are designed to be rotated, by hand, to provide adequate and consistent ventilation of the bulbs.
- Temperature range: -5 to +50°C
- Accuracy: +/-1°C
- Divisions: 0.5°C
- Product dimensions: Gross: 90mm x 242mm x 31mm
- Gross weight: 300g



SLING PSYCHROMETER KT-250B

SURFACE PROFILE GAUGE RUG-200

SURFACE PROFILE

FEATURES:

Specially used to take accurate measurement of the peak-to-valley height of the surface profile of the surface cleaned surfaces.

TECHNICAL SPECIFICATIONS:

Display: 4digits, LCD
Range: 0μm to 800μm(0mils to 30mils) Accuracy: ± 5% or 5μm, (whichever is the greater)
Resolution: 1μm(0.1mils)
Metric and Imperial switchable
PC interface: RS232C
Measurement speed: >30 readings per minute
Weight: 280g
Dimensions: 162× 65× 28mm(6.4× 2.6× 1.1 inch)
Operating temperature: 0to 50, ≤ 80%RH Case: High impact ABS
Batteries: 4× 5V(AAA) battery
Standard accessories included:
Carrying case: 1PC
Operation manual: 1PC
Optional accessory:
Cable and software for RS232C



ULTRASONIC THICKNESS GAGE UTG-100

THICKNESS GAGE

FEATURES:

- Data storage/deletion
- Measuring sound velocity
- LCD backlight display
- Low battery reminder
- Automatic shut-down

TECHNICAL SPECIFICATIONS:

- Display: 4-digital LCD display
- Resolution:0.01mm(1.20 to 99.99mm)
  0.1mm(100 to 300mm)
- Working frequency: 5MHz
- Measuring range: 1.20 to 300.00mm (steel)
- Minimum limit for tube measuring: Φ20*3mm (steel)
- Accuracy: +/- (1%H+0.05)mm H denotes the measured thickness.
- Sound velocity range: 1000 to 9999 m/s
- Measuring sound velocity with a given thickness:
- Measuring range:1000 to 9999 m/s.
- When the given thickness 20mm, the accuracy is ±5%; when the given thickness over 20mm, the accuracy is±1%.
- Operation temperature: 0℃ to 40℃
- Power supply: 3*1.5V AAA batteries
- Operation current: Normal operation current ≤45mA
- With Backlight turn on current ≤55mA
- Stand-by current: ≤20uA
- Size: 72*146*29mm
- Weight: 202g



COATING THICKNESS GAUGE CG200 CG220

FEATURES:

- 1m length external probe
- Range 0~2000um, accuracy ±2.5%±1um
- 128*128dots LCD display
- Menu interface
- LCD can be rotated to be used easily
- Red LED alarm indication
- LCD shows mean, maximum, minimum and standard deviation User can set alarm limit
- Readings can be stored, recalled and deleted
- Easy to do zero calibration and support multi-point calibration
- Connect with PC via USB and download readings
- Multi-language supported
- Up to 5 measurement groups supported
- Automatically detect the substrates type(F or N)
- Unit optional: um, mm and mils



CG200





CG220

TECHNICAL SPECIFICATION

Model No.	CG200	CG220
Probe type	Fe	Fe
	NFe	NFe
Principle	Magnetic induction	Magnetic induction
	Eddy currents	Eddy currents
Range	0~1500um	0~1500um
Accuracy	±(3%+1um)	±(3%+1um)
Resolution	0~99.9um(0.1m),	0~99.9um(0.1m),
	others(1um)	others(1um)
Readings memory	320	320
Interface: USB		
Power supply: Two 1.5v AAA batteries		
Operation environment: -10 to 50ºC		
Storage environment: -10 to 60ºC		
Certificate and standard: CE, ROHS, ISO 2178, 2360		
Size and weight: 113mmX53mmX24mm 80g		

Pride Poly Wood Case



Pride Carton







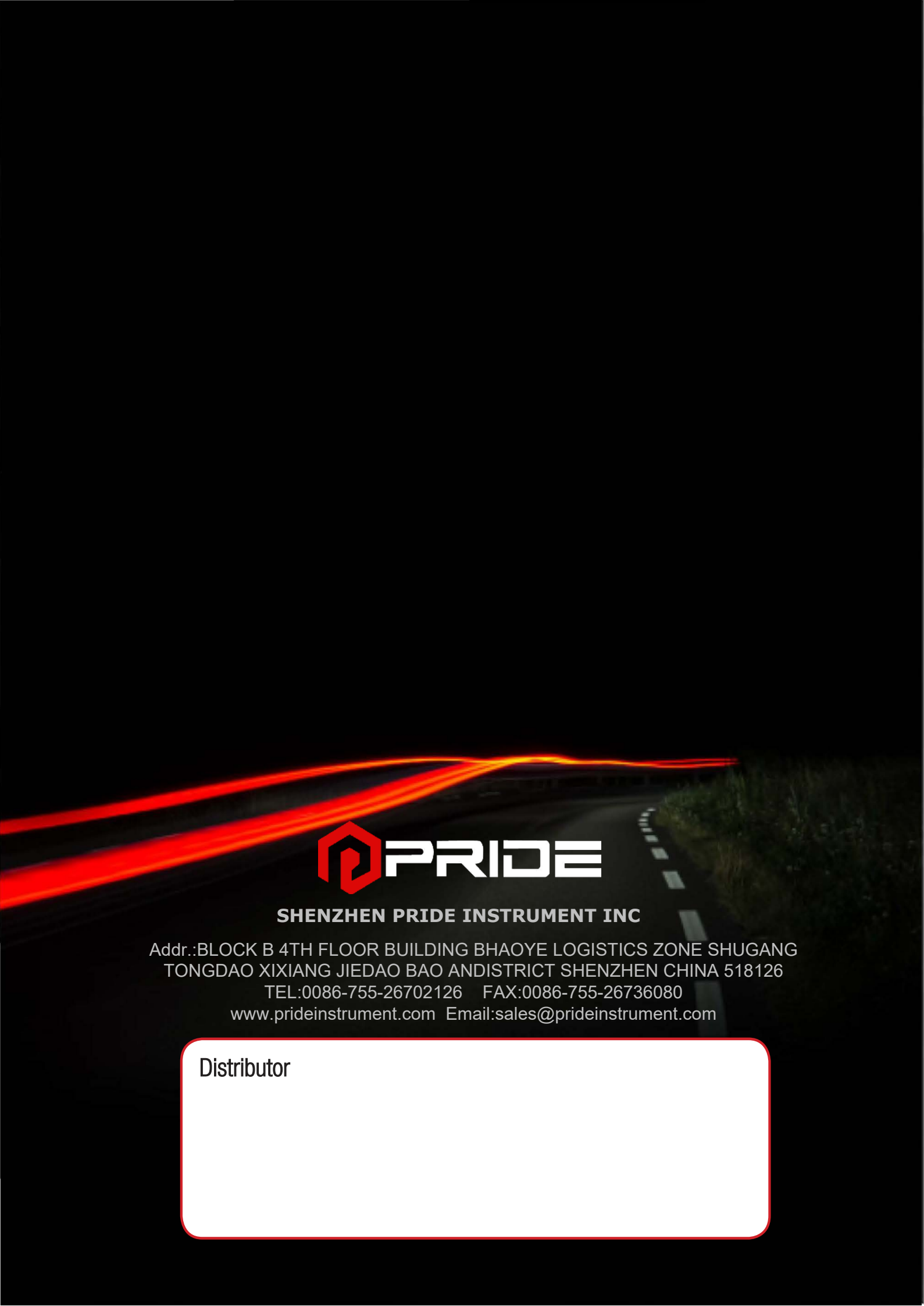
WORLD MAP



1. Netherlands
2. Belgium
3. Luxembourg
4. Switzerland
5. Slovenia
6. Croatia
7. Bosnia and Herzegovina
8. Czech Republic
9. Slovakia
10. Austria
11. Hungary
12. Serbia
13. Moldova
14. Macedonia
15. Albania
16. Cyprus
17. Lebanon
18. Guinea-Bissau
19. Guinea
20. Ghana
21. Togo
22. Benin
23. Cameroon
24. Equatorial Guinea
25. Rwanda
26. Cambodia
27. Panama
28. Malawi
29. Liechtenstein
30. Montenegro
31. Kosovo
32. Palestinian Territories
33. St. Vincent and the Grenadines

Pride Distributor

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