

Clamp-on Testers

CL255



- AC A/DC A
- ∅55
- AC/400~2000A
- DC/400~2000A
- RMS
- AC V/DC V/
Ω /Hz

CL255

- True RMS display
- Sleep function
- Data hold function
- Approved for conformity to safety standards EN61010-1, EN61010-2-031, EN61010-2-032 (CAT. III 600 V, CAT. II 1000 V)

Specifications

At 23°C ±5°C, 75%RH or less
Accuracy: ±(% of reading + digits)

Parameter	Range	Accuracy
DC current	400/2000A	1.5+2
AC current	400A/2000A(150~1700A)	1.5+3 (50/60Hz) 3.0+4 (30~1kHz)
	2000A(1701~2000A)	3.5+3 (50/60Hz)
DC voltage	40/400/1000V	1.0+2
AC voltage	40/400/750V	1.5+3 (50/60Hz) 2.0+4 (30~1kHz)
Crest factor		≤3
Resistance	400/4000Ω	1.5+2, Beeps at below 20Ω(continuity check)
Frequency	10~3999Hz	1.5+5
DC output	DC400A(0~400mV)	±1.5% rdg ±3mV
	DC2000A(15~200mV)	±1.5% rdg ±3mV
	AC400A(0~400mV) /AC2000A(15~170mV/150~1700A)	±1.5% rdg ±3mV (50/60Hz) ±3.0% rdg ±3mV (40~1kHz)
	AC2000A(170.1~200mV/1701~2000A)	±3.5% rdg ±3mV (50/60Hz)

General Specifications

Parameter	Specification
Method of detection	True RMS
Display	LCD(Digital display:3999 counts)
Response time	Approx. 1 second(on DC current/voltage range), Approx. 2 seconds(AC current/voltage range, resistance range)
Range switching	Auto-range
Data hold	On all range (without peak hold)
Peak hold	On current/voltage range
Average Measurement	On current/voltage range
Operating temperature and humidity	0-40°C, 85% RH or less (no condensation)
Temperature coefficient	-
Effect of external magnetic field	4A or less at 400A/m
Effect of conductor position	±(1.5% rdg + 3dgt) or less
Safety standard	Conforms EN61010-1, EN61010-2-031, EN61010-2-032
Circuit voltage	1000Vrms or less
Withstanding voltage	6300V AC for 5 sec
Power supply	6F22(006P)9V×1 or 6LR61×1
Battery life	Approx. 15 hours (continuous)
Consumed current	Approx. 15mA
Sleep function	Automatically powered down in about 10 minutes after the last switch operation
Diameter of measurable conductor	55mm at maximum
Dimensions	Approx. 105(W)×250(H)×49(D)mm
Weight	Approx. 540g
Accessories	User's manual, Test Lead(98072), Output plug(98012), batteries, carrying case(93034)

Leakage Clamp-on Testers

CL320



- AC Leakage
- ∅24
- AC/20mA~200A

CL320

- Mean value display
- Auto power-off
- Manual range switching
- Approved for conformity to safety standards EN61010-1, EN61010-2-032 (CAT. III 300 V)

Specifications

At 23°C ±5°C, 75%RH or less
Accuracy: ±(% of reading + digits)

Parameter	Range	Accuracy	
		WIDE(40~400Hz)	50/60Hz
AC current	20mA/200mA	2.0+4 (50/60Hz)	3.0+5 (50/60Hz)
	200A(0~100A)	5.0+6 (40~400Hz)	
	200A(100.1~200A)	5.0+4 (50/60Hz)	5.0+5 (50/60Hz)

General Specifications

Parameter	Specification
Method of detection	Mean value
Display	LCD(Digital display:1999 counts)
Response time	Approx. 2 seconds
Range switching	Manual-range
Data hold	On all range
Operating temperature and humidity	0-40°C, 85% RH or less (no condensation)
Temperature coefficient	-
Effect of external magnetic field	10mA or less in proximity to a 14.4mm-dia conductor carrying 100A
Effect of conductor position	Within 5dgt for 0 to 50A, or 2% for 50 to 200A (10mm-dia conductor at inside the jaw)
Effect of residual current	10mA or less in proximity to a 10mm-dia conductor carrying 50A
Safety standard	Conforms EN61010-1, EN61010-2-032
Circuit voltage	300Vrms or less
Withstanding voltage	4240V AC for 5 sec
Power supply	LR-44×2(3V) or SR-44×2
Battery life	Approx. 15 hours (continuous)
Consumed current	Approx. 5mA
Auto power-off	Approx. 10 minutes
Diameter of measurable conductor	24mm at maximum
Dimensions	Approx. 60(W)×149(H)×26(D)mm
Weight	Approx. 120g
Accessories	User's manual, batteries, carrying case(93033)