



Mastercool[®] Inc.
"World Class Quality"

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THERMOMETERS

52224-A INFRARED THERMOMETER W/LASER

The 52224-A offers laser targeting accuracy, enhanced backlit LCD Display and an expanded temperature range. The compact design is simple to use and easy to store.
Temperature Range: -58°F to 932°F (-50°C to 500°C)
Field of View: 12 : 1

52224-C INFRARED THERMOMETER WITH DUAL LASER

Features both infrared and dual laser technologies.
Temperature Range: -76 to 1022°F (-60 to 550°C)
Field Of View: 12 : 1



52225-A DUAL TEMP PLUS INFRARED THERMOMETER

Features both infrared and contact thermometer technologies. Includes programmable HI/LO alarms and Lock Mode to capture temperature readings. The contact function offers a built-in K type jack and wire thermocouple.
Non-Contact Temperature Range: -76 to 1400°F (-60 to 760°C)
Field of View: 30 : 1

52225-B ULTRA TEMP DUAL LASER THERMOMETER

Features both infrared and contact thermometer technologies. Includes programmable HI/LO alarms, and Lock Mode to capture temperature readings. The built-in K type jack offers optional contact functions. Illuminates working area with built-in LED light.
Non-Contact Temperature Range: -76 to 1832°F (-60 to 1000°C)
Field of View: 50 : 1



SPECIFICATIONS:

Model #	52224-A	52224-C	52225-A	52225-B
Non-Contact Temperature Range:	-50 to 500°C (-58 to 932°F)	-60 to 550°C (-76 to 1022°F)	-60 to 760°C (-76 to 1400°F)	-60 to 1000°C (-76 to 1832°F)
Thermocouple Temperature Range:	-64 to 1400°C (-83 to 1999°F)			
Field of View:	12 : 1		30 : 1	50 : 1
Display Illumination:	Backlit LCD Color Display		Backlit LCD display	
Target Indicator:	Single Laser Spot	Dual Laser Spot	Single Laser Spot	Dual Laser Spot
Emissivity:	0.98	0.95	0.10 (10E) to 1.0 (100E)	0.95
Resolution:	0.5°F / 0.5°C		0.1°F / 0.1°C	
Modes:			MIN, MAX, DIFF & AVG	
Accuracy:	±2°C (4°F) or ±2% of reading		±2% of reading	
Response Time:	0.5 seconds		1 second	
Power Off:	Automatic after 15 seconds			
Battery Life:	14 hrs.	14 hrs.	14 hrs.	14 hrs.
Included Accessories:	2 AAA batteries, instruction manual, plastic molded carrying case		2 AAA batteries, 1m thermocouple probe, instruction manual, plastic molded carrying case	
Optional Accessories:			3m Wire Thermocouple Probe, Piercing Penetration Probe, Surface Probe, Air Probe	
			1m, 3m Wire Thermocouple Probes, Piercing Penetration Probe, Surface Probe, Air Probe, Removable Magnetic Base	

3 ft. (1m) Wire Thermocouple Included

Optional Wire Thermocouple

All thermometers include pocket holder and clip.

POCKET ANALOG DESIGNS

Item#	Dial Size	Temperature Scale
52220-C	25mm	-10 to 100°C
52161	35mm	-40 to 70°C (-40 to 160°F)
91120	44.5mm	17 to 104°C (0 to 220°F)

POCKET DIGITAL DESIGN

Item#	Dial Size	Temperature Scale
52223-A	25mm	-50 to 150°C (-58 to 302°F)

Battery operated (1.5V, life of 5000 hours), (on/off and auto shut-off after 10 minutes)



52226 DUAL TEMP INFRARED/PROBE THERMOMETER

The 52226 Dual Temp Thermometer offers both infrared and contact probe technologies.

- Infrared Temp Range: -67 to 428°F (-55 to 220°C)
- Probe Temp Range: -67 to 626°F (-55 to 330°C)
- Field of View Ratio 1 : 1
- Adjustable Emissivity
- Lock Mode for hands free scanning
- Minimum/Maximum capture mode
- Contact Probe locks safely on the side of the unit



52227 POCKET INFRARED THERMOMETER

The 52227 Pocket Infrared Thermometer offers accurate non-contact temperature measurement in a compact and easy to use size.

- Temp Range: -67 to 428°F (-55 to 220°C)
- Field of View Ratio 1 : 1
- Adjustable Emissivity
- Backlit LCD Display
- Minimum/Maximum capture mode

52229 HANDHELD WATERPROOF DIGITAL THERMOMETER

- Measuring Range: -58 to 572°F / -50 to 300°C
- Wide Measurement Range
- Maximum/Minimum temperature memory
- Celsius and Fahrenheit exchange
- Data hold function
- High/Low temperature alarm setting
- Key tone for operation confirmation
- Stainless steel probe
- Foldaway stand



52228 DIGITAL DIFFERENTIAL THERMOMETER

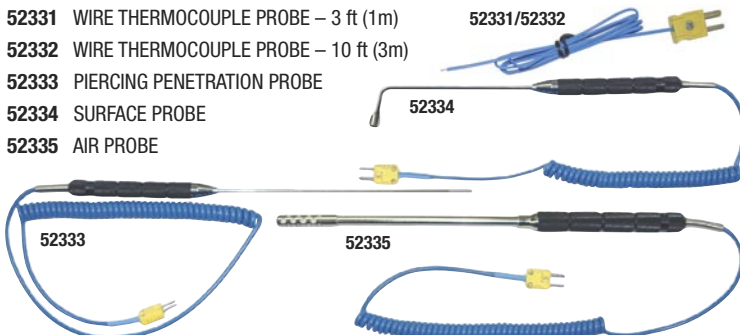
The 52228 Digital Differential Thermometer provides instant measurements of TWO points. (T1, T2) and T1 - T2.

- Max Hold Function
- Data Hold Function
- Temperature in °F or °C
- AUX Output Jacks
- T1 - T2 Differential
- Temp. Range: -50 to 1999°F (-50 to 1300°C)
- Type K Thermocouple Input
- Resolution: 1°F (1°C)
- Includes two 3 ft (1m) Thermocouple Probes



OPTIONAL PROBES

- 52331 WIRE THERMOCOUPLE PROBE - 3 ft (1m)
- 52332 WIRE THERMOCOUPLE PROBE - 10 ft (3m)
- 52333 PIERCING PENETRATION PROBE
- 52334 SURFACE PROBE
- 52335 AIR PROBE



52245 DIGITAL PRESSURE/TEMPERATURE CHART

The Mastercool 52245 is a compact Digital Pressure Temperature Chart. This pocket sized device offers fast and accurate temperature references on a large easy to read LCD display. The automatic power down feature shuts the unit OFF five minutes after the last command to insure extended battery life. Temperature Range: -40 to 200°F (-40 to 103°C)

Includes 61 refrigerants: R11, R12, R13, R21, R22, R23, R32, R113, R114, R115, R116, R123, R124, R125, R134, R134a, R141B, R142B, R143, R143A, R152A, R218, R290, R176, R401A, R401B, R401C, R402A, R402B, R403A, R403B, R404A, R405A, R406A, R407A, R407B, R407C, R407D, R408A, R409A, R410A, R410B, R411A, R411B, R412A, R413A, R414A, R414B, R501, R502, R503, R504, R507, R508B, R509A, R600, R600A, R601, R601A, R717, R744.

Pressure readings are available in PSI, BAR and MPa. Temperature readings are available in Fahrenheit or Celsius. Battery is included.

- Fast & Easy to Use
- Compact Pocket Size
- Large LCD Display
- Auto Shut-Off

