



Mastercool[®] Inc.
"World Class Quality"

THERMOMETERS

52224-A Infrared Thermometer with Laser

The 52224-A offers laser targeting accuracy, enhanced back-lit 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



NEW!

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



3 ft. Wire Thermocouple (included)

NEW!

52224-B Dual Temp Infrared 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.

Non-Contact Temperature Range:
 -76 to 1200°F (-60 to 648°C)

Field Of View: 15 : 1



Optional Wire Thermocouple (not included)

NEW!

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



Optional Wire Thermocouple (not included)

SPECIFICATIONS:



	52224-A	52224-B	52225-A	52225-B
Non-Contact Temperature Range:	-58 to 932°F (-50 to 500°C)	-76 to 1200°F (-60 to 648°C)	-76 to 1400°F (-60 to 760°C)	-76 to 1832°F (-60 to 1000°C)
Thermocouple Temperature Range:		-83 to 1999°F (-64 to 1400°C)	-83 to 1999°F (-64 to 1400°C)	-83 to 1999°F (-64 to 1400°C)
Field of View:	12 : 1	15 : 1	30 : 1	50 : 1
Display Illumination:	Backlit LCD display	Backlit LCD display	Backlit LCD display	Backlit LCD display
Target Indicator:	Single Laser Spot	Single Laser Spot	Single Laser Spot	Dual Laser Spot
Emissivity:	0.98	0.10(10E) to 1.0 (100E)	0.10(10E) to 1.0 (100E)	0.95
Resolution:	0.5°F / 0.5°C	0.1°F / 0.1°C	0.1°F / 0.1°C	0.1°C / 0.1°F
Modes:		MIN, MAX, DIFF & AVG	MIN, MAX, DIFF & AVG	MIN, MAX, DIFF & AVG
Accuracy:	±2°C (4°F) or ±2% of reading	±2% of reading	±2% of reading	±2% of reading
Response Time:	0.5 seconds	1 second	1 second	1 second
Power Off:	Automatic after 15 seconds	Automatic after 60 seconds	Automatic after 60 seconds	Automatic after 60 seconds
Battery Life:	Approx. 180 hrs.	Approx. 180 hrs.	Approx. 180 hrs.	Approx. 180 hrs.
Included Accessories:	2 AAA batteries, instruction manual, plastic molded carrying case	2 AAA batteries, instruction manual, plastic molded carrying case	2 AAA batteries, 3 ft. thermocouple probe, instruction manual, plastic molded carrying case	2 AAA batteries, instruction manual, plastic molded carrying case
Optional Accessories:		3ft., 10 ft. Wire Thermocouple Probe, Piercing Penetration Probe, Surface Probe, Air Probe	10 ft. Wire Thermocouple Probe, Piercing Penetration Probe, Surface Probe, Air Probe	3ft., 10 ft. Wire Thermocouple Probe, Piercing Penetration Probe, Surface Probe, Air Probe,

52226 DUAL TEMP INFRARED/PROBE THERMOMETER

The 52226 Dual Temp Infrared/Probe 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
- Backlit LCD Display
- 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



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 Out-Put Jacks
- T1 – T2 Differential
- Type K Thermocouple Input
- Temp. Range: -50 to 1999°F (-50 to 1300°C)
- Resolution: 0.1°F (0.1°C)
- Includes Two 3 ft (1 m) Thermocouple Probes



NEW!

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
- Date Hold Function
- High / Low Temperature Alarm Setting
- Key Tone for Operation Confirmation
- Stainless Steel Probe
- Foldaway Stand



OPTIONAL PROBES

52331 WIRE THERMOCOUPLE PROBE – 3 ft (1m) long



52332 WIRE THERMOCOUPLE PROBE – 10 ft (3m) long

52333 PIERCING PENETRATION PROBE



52334 SURFACE PROBE



52335 AIR PROBE



THERMOMETERS

All thermometers include pocket holder and clip.

Pocket Analog Designs

Item#	Dial Size	Temperature Scale
52220	1" (25mm)	0 to 220°F
52161	1 3/8" (35mm)	-40 to 160°F (-40 to 70°C)
91120	1 3/4" (44.5mm)	0 to 220°F (17 to 104°C)

Pocket Digital Design

Item#	Dial Size	Temperature Scale
52223-A	1" (25mm)	-58 to 302°F (-50 to 150°C)

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

