



DIGI-SENSE®
THE STANDARD IN PRECISION MEASUREMENT

Infrared Thermometers

Safely and easily locate hot and cold spots, preventing problems and saving costs

Ergonomic pistol-grip infrared (IR) thermometers provide the precision you need for quick and easy temperature measurements. Noncontact meters safely measure the surface temperature of objects without physically touching the object. Simply aim, pull the trigger, and read the display—reliable measurements couldn't be easier!



Precalibrated & Ready to Use!

All models feature

- ◆ Reliable measurements, guaranteed!
Precalibrated to NIST-traceable standards.*
- ◆ Laser sighting helps target the measuring area
- ◆ Large backlight LCD with backlight for easy viewing
- ◆ Adjustable emissivity (except model 20250-04)
- ◆ Min/Max readings and data Hold function
- ◆ User-selectable temperature readout in °C or °F
- ◆ Automatic selection range and display resolution
- ◆ Trigger lock for continuous scanning of temperatures
- ◆ Auto power-off mode extends battery life

Additional features for Professional models

- ◆ Dual-laser sighting to pinpoint target areas
- ◆ Higher distance-to-sight (D/S) ratios for long-distance measurements
- ◆ Extended temperature ranges
- ◆ Temperature differential and average readings
- ◆ USB interface for data transmission to PC
- ◆ Heavy-duty construction and protective lens cover
- ◆ External type K input for contact measurements
- ◆ Internal logging of 100 readings (model 20250-08 only)

Applications

- ◆ Agricultural
- ◆ Educational
- ◆ Food processing
- ◆ HVAC
- ◆ Industrial
- ◆ Laboratory
- ◆ R&D
- ◆ Preventive maintenance

*Calibration certificate provided by InnoCal®, an ISO17025 accredited laboratory (A2LA certificate 1746.01) offering a broad range of NIST-traceable calibration services.



Description	Infrared thermometers			Professional infrared thermometers	
	MW-20250-04	MW-20250-05	MW-20250-06	MW-20250-07	MW-20250-08
Distance-to-sight (D/S) ratio	10:1	12:1	20:1	30:1	50:1
Temperature range (IR)	-4 to 630°F (-20 to 332°C)	-31 to 1000°F (-35 to 537°C)	-31 to 1472°F (-35 to 800°C)	-58 to 3002°F (-50 to 1650°C)	-58 to 3362°F (-50 to 1850°C)
Resolution	0.1°F/C	0.1°F/C below 1000°, 1°F/C above 1000°		0.1°F/C below 1000°, 1°F/C above 1000°	
Accuracy (IR)	±2.5 of rdg or ±4.5°F (2.5°C)	±4.5°F (2.5°C) from -58 to 68°F (-35 to 20°C); ±1.0% ±1 of rdg from 68 to 572°F (20 to 300°C); ±1.5% ±1 of rdg from 572 to 1000°F (300 to 537°C)	±4.5°F (2.5°C) from -58 to 68°F (-35 to 20°C); ±1.0% ±1 of rdg from 68 to 572°F (20 to 300°C); ±1.5% ±1 of rdg from 572 to 1472°F (300 to 800°C)	±5.4°F (3°C) from -58 to 68°F (-50 to 20°C); ±1.0% ± 1.8°F (1°C) from 68 to 752°F (20 to 400°C); ±1.5% ± 3.6°F (2.0°C) from 752 to 1472°F (400 to 800°C); ±2.5% from 1472 to 3002°F (800 to 1650°C)	±5.4°F (3°C) from -58 to 68°F (-50 to 20°C); ±1.0% ± 1.8°F (1°C) from 68 to 932°F (20 to 500°C); ±1.5% ± 3.6°F (2.0°C) from 932 to 1832°F (500 to 1000°C); ±2.0% from 1832 to 3362°F (1000 to 1850°C)
Response time	<1 sec	<300 ms		<150 ms	
Emissivity	0.95 fixed	0.10 to 1.0 adjustable		0.10 to 1.0 adjustable	
Laser (Class II)		Single		Dual	
Min/Max reading		Yes		Yes	
Data Hold		Yes		Yes	
Avg reading		No		Yes	
Temp differential		No		Yes	
High/low alarms	No	Yes		Yes	
USB interface		No		Yes, unlimited data transmission	
Data logging		No		No	Yes, 100 internal readings
Type K input		No		Yes, -58 to 2498°F (-50 to 1370°C)	
Dimensions		7" x 3½" x 1½" (17.7 x 8.9 x 3.8 cm)		7½" x 6" x 2¼" (18.9 x 15.2 x 5.7 cm)	
Power		One 9V battery		One 9V battery	
Accessories included		Battery and NIST-traceable certificate with data and uncertainties		One type K flexible probe, USB cable, software, tripod, carrying case, battery, and NIST-traceable certificate with data and uncertainties	

