

PRODUCT FUNCTION

- Application for non-contact temperature measurement, the thermometer determines the surface temperature of an object by measuring the infrared energy radiated from its surface. Suitable for safely measuring the temperature of high-temperature, toxic, or hard-to-reach objects.

PRODUCT FEATURES

- Laser aiming.
- Backlight display.
- Adjustable emissivity.
- EM950 features data logging.
- EM950 displays MAX., MIN., DIF (difference), and AVG (average).
- EM950 features high and low temperature alarms.



TECHNICAL SPECIFICATION

Model	EM550	EM950
Product Photo		
Power Supply	9V carbon or alkaline battery	9V carbon or alkaline battery
Temperature Range	- 50°C ~ 550°C	- 50°C ~ 950°C
Accuracy (Environment Temperature: 23°C±3°C)	- 50°C ~ 0°C	± 2.5°C
	0°C ~ 100°C	± 2.0°C
	100°C ~ 550°C	± 2°C or ± 2% of the reading and take larger value
Accuracy (Environment Temperature: 23°C±3°C)	- 50°C ~ 23°C	± 2°C
	23°C ~ 500°C	± 1.5°C or ± 1.5 % of the reading and take larger value
	500°C ~ 950°C	± 3.0°C or ± 3.0 % of the reading and take larger value
Resolution	0.1°C	0.1°C
Repeatability	± 1°C or 1 % of the reading and take larger value	± 1°C or 0.5 % of the reading and take larger value
Spectral Response	8um ~ 14um	8um ~ 14um
Response Time	500 mSec	500 mSec
Laser Aiming	Yes	Yes
Tripod Installation	/	1 / 4in. 20UNC Leptospirosis
Relative Humidity	10% ~ 90 % RH, non-condensing	10% ~ 90 % RH, non-condensing
Working Temperature	0°C ~ 40°C	0°C ~ 40°C
Storage Temperature	- 20°C ~ 50°C	- 20°C ~ 50°C
Battery Life	Operating for 12 hours with the laser and backlight on;	Operating for 20 hours with the laser and backlight on; Operating for 40 hours with the laser and backlight off
Weight	Approx. 92g	Approx. 240g
Dimension	145mm x 37mm x 90mm	200mm x 120mm x 55mm
Accessories	Meter* 1PC Alkaline battery (9V)*1PC	Meter*1PC Meter box*1PC Alkaline battery (9V)*1PC

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Note! Photographs in this catalogue may slightly differ from the instruments at the time of delivery.
Subject to technical change without notice.