Meterman®

Model IR610
Infrared Thermometer

The IR610 is a portable, easy-to-use $3\frac{1}{2}$-digit, compact-sized digital infrared thermometer capable of measuring °C and °F temperature.

Pressing the laser button turns the sighting laser marker on and off.

Depress the large center button to turn on the meter for measuring temperature. Release the button to stop measuring temperature and automatically hold the display reading, the meter turns off automatically after 15 seconds.

IR610 Specifications *(at 23°C±5°C, <75% R.H. non-condensing)*

Temperature	
Range	- 20 °C to 260 °C; 0 °F to 500 °F
Display Resolution	1 °C; 1 °F
Accuracy	± 3% of reading or ± 3 °C / ± 6 °F, whichever is greater @ 18 to 28°C ambient
Temperature Coefficient	± 0.2 % of reading or ± 0.2 °C, whichever is greater, per °C, > 28°C or < 18°C
Response Time	1 second
Spectral Response	6 to 14mm nominal
Emissivity	Pre-set 0.95
Detection Element	Thermopile
Optical Lens	Fresnal Lens
Field of View	100 mm Ø at 1000 mm
Sighting	1 - Laser beam marker < 1 mW (670 nm) Class

General Specifications

Display: $3\frac{1}{2}$-digit (LCD) with maximum reading of 1999; **Overrange:** (OL) or (-OL) is displayed; **Low Battery Indication:** Change batteries immediately; **Measurement Rate:** 2.5 times per second, nominal; **Operating Environment:** 0 °C to 50 °C (32 °F to 122 °F) at < 75% R.H.; **Storage Temperature:** - 20 °C to 60 °C (- 4 °F to 140 °F), 0 to 80 % R.H. with batteries removed; **Environment:** Indoor use, altitude up to 2000 m; **Battery:** 4 pieces 1.5 V (AAA size) UM-4, R03; **Battery Life:** 100 hours carbon-zinc battery; **Auto Power Off:** approximately 15 seconds; **Standby Current:** < 1 µA; **Dimensions:** 170 x 44 x 40 mm; **Weight:** 160 g including batteries; **Warranty:** One-year

WARRANTY
NO HASSLE
PROGRAM

CE

- **Laser pointer for accurate targeting**

- **Measures to 500 °F (260 °C), front panel switchable**

- **Narrow 10:1 field of view measures 1" at 10" distance**

- **Fixed emissivity at 0.95**

- **Certified to meet CE EN60825 Class II for laser safety**

- **Data hold, low battery indicator, auto power off**

- **Large, 3-1/2 digit display with backlight feature**

- **Shipped with carrying case, four AAA batteries installed and operator's guide**

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