

# IR-Thermometer DIT510


## Features:

- For Simple One Hand Operation**
- Auto-Hold Function after Releasing MEAS Button**
- Auto Power off Function**
- Valox Housing to Withstand Accidental Drops**
- Detection Element: Thermopile**
- Sighting: Laser Marker 1 mW**
- Backlight LCD Display**
- Analog Output: 1 mV/ °C**
- Emissivity: 0.95**
- Accuracy: ±3%**



## Technical specification

### GENERAL

Display:	3½ digit liquid crystal display (LCD) with maximum reading of 1999.
Overrange:	(OL) or (-OL) in the display.
Measurement rate:	2.5 times per second, nominal.
Operating environment:	0°C to 50°C at < 70% relative humidity.
Storage temperature:	-20°C to 60°C, 0 to 80% R.H. with battery removed from meter.
Auto power off:	15 seconds approx.
Standby consume current:	< 1 µA.
Battery:	4 pcs 1.5V (AAA size) UM-4 R03.
Battery life:	100 hours (continuity) typical with carbon zinc battery (Laser marker & Back-light not illuminated).
Dimensions:	170 mm (H) x 44 mm (W) * 40 mm (D).
Weight:	160 g including batteries.
Low battery indication:	 is displayed when the battery voltage drops below the operating level.

### ELECTRICAL

Temperature range:	-20°C to 260°C.
Display resolution:	1°C
Accuracy:	±3% of reading or ±3°C, whichever is greater at 18 to 28 °C ambient operating temperature.
Temperature Coefficient:	±2% of reading or ±0.2°C, whichever is greater, change in accuracy per °C change in ambient operating temperature above 28°C or below 18°C.
Response time:	1 second.
Spectral Response:	6 to 14µm nominal.
Emissivity:	Pre-set 0.95.
Analog Output:	1 mV/°C
Detection element:	Thermopile.
Optical lens:	Fresnal Lens.
Sighting:	1-beam laser marker < 1 mW (class 2).
Field of view:	65 mm Ø at 1.000 mm.