

Precision, 0.1 °C resolution, safety red LED target light

FOREHEAD IR THERMOMETER

Model : TM-966

ISO-9001, CE, IEC1010

www.YaLAB.com.tw 02-2389-0101 04-2227-0088



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The Art of Measurement

Precision, 0.1 degree resolution, safety red LED light guide

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FEATURES

* Non-contact temperature measurement, 32.0 °C to 42.0 °C (89.6 °F to 107.6 °F) precision for forehead no contact temperature measurement.
* 0.1 degree resolution, high precision, exclusive design for the human forehead temperature measurement.
* Useful instrument to find the not normal (extra higher) human body temperature in the crowd quickly.
* Automatic data hold.
* Back light LCD display.
* High repeatability with 0.3 °C .
* °C, °F, display unit, select by internal switch..
* IR measurement with red LED light guide, safety.
* Microprocessor circuit.
* Gun type, heavy duty & compact housing case.
* Data hold function to freeze the display reading.
* LCD display, easy readout.
* Operates from 006P DC 9V battery.

GENERAL SPECIFICATIONS

Circuit	Custom one-chip of micro processor LSI circuit.
Display	LCD, 29 mm x 33 mm.
Functions	°C, °F, Auto data hold, Auto power off, Auto LCD back light,
Sampling Time	Approx. 0.6 second.
Hold and Auto Power Off function	After release the operation switch, display will hold the last measuring value for 5 seconds continuously.
Power Supply	006P DC 9V battery (Heavy Duty Type, Alkaline type) or equivalent.
Power Consumption	without LED target light ON : <i>Approx. DC 12 mA.</i> with LCD backlight ON : <i>Approx. DC 48 mA.</i>
Operating Temperature	0 to 50 °C (32 to 122 °F).

Operating Humidity	Less than 80% RH.
Weight	140 g/0.3 LB (without battery).
Dimension	160 x 92 x 45 mm. (6.3 x 3.6 x 1.8 inch).
Standard Accessory	Operational manual..... 1 PC.
Accessory Included	Instruction manual..... 1 PC.
Optional Carrying Case	Soft carrying case, CA-05A.

ELECTRICAL SPECIFICATIONS

Measuring range	Forehead temperature measurement : 32.0 °C to 42.0 °C (89.6 °F to 107.6 °F). Room Temp. measurement 0 °C to 100.0 °C (32.0 °F to 212.0 °F).
Resolution	0.1 °C (0.1 °F).
Accuracy	Forehead temperature measurement : ± 0.5 °C <i>* Under measuring range : 35.0 to 42.0 °C.</i> <i>* Within 23 ± 5 °C ambient operating</i> <i>* Spec. testing under distance is 3 cm.</i>
Repeatability	Forehead temperature measurement : ± 0.5 °C <i>* Under measuring range : 35.0 to 42.0 °C.</i> <i>* Within 23 ± 5 °C ambient operating</i> <i>* Two measuring data that test between 1 minute.</i> <i>* Spec. testing under distance is 3 cm.</i>
Measuring distance	2 to 5 cm.
IR Sensor	Thermocouple pie.
Light Guide	Red LED light, safety for human eye.
Emissivity Setting	0.95.
Measurement Wave Length	6 to 12 micro meter.
Distance Factor	D/S : Approx. 7:1. D - Distance, S - Spot.

* Appearance and specifications listed in this brochure are subject to change without notice.