



0.1 degree

FOREHEAD INFRARED THERMOMETER

Model : TM-900

FEATURES	
*Non-contact temperature measurement, 32.0 to 42.0 °C (89.6 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 tool to find the not normal (extra higher) human body temperature in the crowd quickly.	
*Build the external correction VR, easy to make fine temperature correction, if the display reading exist deviation value.	
*High repeatability with 0.5 °C.	
*°C, °F display unit, select by front push button.	
*IR measurement with red LED light guide, safety.	
*A factory preset emissivity value to 0.95.	
*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	11 mm (0.43 ") LCD, 4 digit.
Sampling Time	Approx. 1 sec.
Power Current	Approx. DC 10 mA (under light guide off).
Correction VR	Build the external correction VR, easy to make fine temp. correction, if the display reading exist deviation value.
Power Supply	006P DC 9V battery (Heavy Duty Type, Alkaline type) or equivalent.
Weight	265 g/0.6 LB.
Dimension	195 x 120 x 58 mm. (7.7 x 4.7 x 2.3 inch).
Operating Temperature	0 to 50 °C(32 to 122 °F).
Operating Humidity	Less than 80% RH.
Accessory	Instruction manual..... 1 PC.
Optional Carrying Case	Hard carrying case, CA-06

ELECTRICAL SPECIFICATIONS for INFRARED THERMOMETER	
Measuring range	Forehead temperature measurement : 32.0 to 42.0 °C (89.6 to 107.6 °F). Other application range : 0 to 110.0 °C (32.0 to 230.0 °F).
Resolution	0.1 °C (0.1 °F)
Repeatability	± 0.5 °C <i>*Under measuring range : 32.0 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>
Accuracy	± 1.5 °C <i>*Under measuring range : 32.0 to 42.0 °C, after calibration.</i> <i>*Within 23 ± 5 °C ambient operating</i> <i>*Spec. testing under distance is 3 cm.</i>
Measuring distance	3 to 5 cm.
IR Sensor	Thermocouple pie.
Light Guide	Red LED light, safety for human eye.
Emissivity Setting	A factory preset emissivity value to 0.95.
Measurement Wave Length	6 to 12 micro meter.

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

CAT-0305-TM900