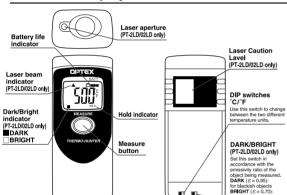


Specifications

Model	PT-2L	PT-2LD	PT-02L	PT-02LD
Measuring range	==			
Display range	-40 to 510°C (-40 to 950°F) -51 to 538°C (-60 to 1000°F)		-40 to 200°C (-40 to 392°F) -50 to 230°C (-58 to 446°F)	
Field of view			, ,	
	□100/1000mm (D: S=10:1) square spot			
Optics	mirror/silicon filter			
Sensing element/Wavelength	Thermopile/8 to 14 μm			
Response time	0.8sec/90%		1.5sec/90%	
Accuracy (ε = 0.95, at 25°C ±3°C)	Less than $0^{\circ}C$: $\pm 3^{\circ}C$; $0^{\circ}C$ to $200^{\circ}C$: $\pm 2^{\circ}C$; Above $200^{\circ}C$: $\pm 1\%$ of reading value (Less than $32^{\circ}F$: $\pm 6^{\circ}F$; 32 to $400^{\circ}F$: $\pm 4^{\circ}F$; Above $400^{\circ}C$: $\pm 1\%$ of reading value)		Less than 0°C : ±3°C; 0°C to 200°C : ±2°C (Less than 32°F : ±6°F; 32 to 400°F : ±4°F)	
Repeatability	±1°C (2°F) of reading value		±0.5°C (1°F) of reading value	
Display resolution	1°C/°F		0.1°C/°F (Above 200°C/°F: 1°C/°F)	
Sighting method	N/A	Blinking laser marker	N/A	Blinking laser marker
Emissivity ratio (ε) adjustment	0.95	0.95/0.7 (Switchable)	0.95	0.95/0.7 (Switchable)
Back-light function	N/A	Available	N/A	Avai l ab l e
Temperature unit	°C/°F (Switchable)			
Power supply	AA (Alkaline battery) x 2pcs.			
Battery life (Alkaline)	Approx. 60 hours	Approx. 30 hours	Approx. 60 hours	Approx. 30 hours
Ambient temperature	0 to 50°C (32 to 120°F)			
Ambient humidity	35 to 85%RH (Without dew condensation)			
Storage temperature	-10 to 60°C (14 to 140°F)			
Dimensions	H x W x D = 140 x 56 x 37mm			
Weight (Incl. battery)	175g	180g	175g	180g

Standard accessories: "AA" (Alkaline Battery) x 2pcs. Optional accessories: Black tape, Protective pouch Design and specifications may change for product improvement without prior notice.

Display and Functions



[Option] Black Tape HB-250



Dimensions:
 60 x 2000mm

 Withstand hear
up to 250°C

[Hint for accurate measurement]

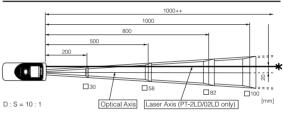
The black tape (HB-250) is designed for more accurate measurement, especially if the target object has a shiny surface. Apply HB-250 on the surface of the target and measure the area covered by HB-250 with emissivity setting at 0.95.



Protective Pouch for PT-2&3 with lear window & belt clip



Field of View



- * The laser axis (PT-2LD/02LD only) is located 20mm left from the optical axis.
- ** The optical resolution values stated in "Field of View" are at 90% energy. The size of target object should be sufficiently larger than the field of view (spot size) shown in the above illustration.

Safe Usage

⚠ WARNING	Do not look into the laser beam, nor point it directly at eyes. Even the reflection is harmful. This laser may cause eye injury or damage to your health. (PT-2LD/02LD only)
⚠ CAUTION	This product is not a clinical thermometer; therefore, cannot be used for medical purposes.

Environmental Warnings

- O AVOID GETTING THE THERMOMETER WET. DO NOT USE IN WATER.
- KEEP THE THERMOMETER AWAY FROM STRONG ELECTROMAGNETIC SOURCES OR LARGE ELECTROMAGNETIC FIELDS.
 - Usage in such environments may cause irreparable damage or incorrect measurement.
- KEEP THE THERMOMETER AWAY FROM DIRECT SUNLIGHT, DUST, HIGH TEMPERATURES AND HIGH HUMIDITY DURING USE AND STORAGE.
- DO NOT EXPOSE THE THEMOMETER TO SUDDEN TEMPERATURE CHANGES. Sudden temperature change of the environment may cause incorrect measurement. In such cases, wait until the thermometer reaches steady temperature before taking measurement.

Usage Warnings

AVOID MEASURING SHINY OBJECTS.

Shirry objects, of which emissivity value is 10w, reflect surrounding temperatures. As this thermometer's sensitivity to emissivity is fixed at 0.950.70, the displayed temperature could differ form the actual temperature of the object, which has the different emissivity value. When you wish to measure shirry objects like metals, put a piece of optional black tape or apply black paint/maker on the surface and measure the masked area using emissivity setting of 0.95.

DO NOT LET THE THERMOMETER TOUCH THE OBJECT THAT IS BEING MEASURED. This is a non-contact thermometer. Touching or getting too close to the objects with high temperatures may cause irrepraible damage or incorrect measurement.

Products mentioned in this catalogue are equipped with Class 2 laser. In case of re-export to foreign countries, please confirm the relevant regulation for laser products in the destination country.







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