

Portable
Non-Contact
Thermometer

**THERMO-HUNTER
PT-7LD**

Multifunction

PT-7LD offers reliability as a measuring instrument equipped for practical application requests in the field.



NEW

Waterproof: IP67

New Function

- Hi/Lo Alarm: Buzzer & LED
- 99-Point Data Memory
- Normal/Continuous mode

Features

- Measuring Range: -30.0 to 200.0°C
- Resolution: 0.1°C/°F
- Quick Response: 0.7sec.
- Laser Marker
- 2-mode Emissivity
- Back Light
- Hygienically Clean Body



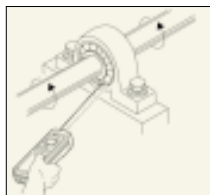
Application



Freezer/Refrigerator



Electric Wiring/Transformer



Bearing



Motor/Machine

PT-7LD

Portable Non-Contact Thermometer



Specification

Model	PT-7LD	
Measuring range	30.0 to 200.0	22.0 to 392.0;F
Display range	40.0 to 220.0	40.0 to 428.0;F
Optics	mirror/silicon filter	
Sensing element/Wavelength	Thermopile/8 to 14 m	
Response time	0.7sec./90	
Accuracy	0.95 at 25 3	0.0 3.0 ,0.1 to 100.0 1.0 ,100.1 to 200.0 2.0
Temperature unit	;C/;F Selectable	
Display resolution	0.1 ;F	
Repeatability	1.0 of reading value	
Sighting method	Laser beam marker Class2	
HOLD time	15 seconds	
Back-light function	Available	
Emissivity Adjustment	HOT	0.95 /COLD 0.85 Selectable
Continuous measurement mode	ON/OFF S selectable	
High/Low Alarm LED/Buzzer	ON/OFF S selectable	
Memory	99-point memory	
Power supply	9V layer-built alkaline dry battery 1 piece	
Battery life	15 Hours With alkaline battery, max load	
Ambient temperature	0 to 50	
Ambient Humidity	35 to 85 Rh Without due condensation	
Storage temperature	10 to 60	
Protective structure	IP67	
Material	ABS Antibacterial	
Dimension	H W D 160 44 42mm	
Weight	200g incl.Battery	

Accessories: 9V layer-built alkaline dry battery(1 piece), Quick Reference card.
Design and specifications are subject to change for product improvement without prior notice.

INTERNATIONAL PROTECTION

A rating system defined by the standards of IEC (International Electrotechnical Commission) to determine grades of protection pertaining enclosures for various environments.

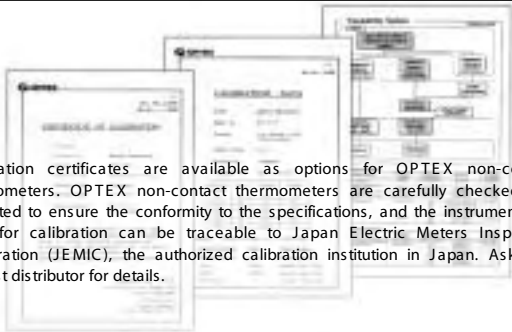
IP67

Protection against accidental contact by the human body and foreign bodies
IP6 : No dust comes inside the body
NOTE: Dust Protection herein means against dusts under 75 m

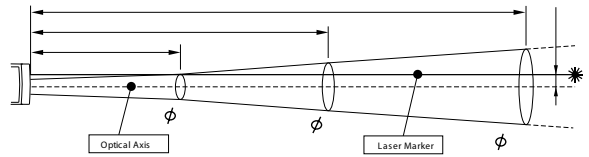
Protection against the penetration of liquids
IP 7: No water comes inside the body by immersing in water for 30 minutes in 1m depth.

OPTEX infrared non-contact thermometers Quality assured

Calibration certificates are available as options for OPTEX non-contact thermometers. OPTEX non-contact thermometers are carefully checked and calibrated to ensure the conformity to the specifications, and the instrumentation used for calibration can be traceable to Japan Electric Meters Inspection Corporation (JEMIC), the authorized calibration institution in Japan. Ask your nearest distributor for details.



Field of view



The laser marker points 13mm off to the left from the optical axis.
The optical resolution values stated in Field of View are at minimum 90% energy.
The size of measuring object should be sufficiently larger than the field of view (spot size) shown in the above illustration.
The temperature value displayed on LCD is the average temperature within the spot size.

LCD Display & Overview of features

HI/LO Alarm
High Alarm:
LED(red) & Buzzer(high tone)
Low Alarm:
LED(green) & Buzzer(low tone)

Battery Level Indicator

iC/;F Selectable

Emissivity 0.95 or 0.85 selectable

Backlight

99-point Data Memory
Internal memory stores up to 99 reading

HOLD
Hold the last reading for 15sec.

MEM. NO.

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.
CAUTION	This product is not a clinical thermometer; therefore, can not be used for medical purposes.

Environmental Warnings

- KEEP THE THERMOMETER AWAY FROM DROPPING WATER AND DO NOT USE IN WATER.
This thermometer has waterproofing, but it cannot be operated in the water. Water drops on the filter or the area around it may cause incorrect measurement. Wipe up the filter and the area around it completely before taking measurement.
- KEEP THE THERMOMETER AWAY FROM STRONG ELECTROMAGNETIC SOURCES.
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.
This may cause irreparable damage or incorrect measurement.

Usage Warnings

- AVOID MEASURING SHINY OBJECTS.
Shiny objects, of which emissivity value is low, reflect surrounding temperatures. As this thermometer's sensitivity to emissivity is fixed at 0.95/0.85, the displayed temperature could differ from the actual temperature of objects, which has different emissivity value. When you wish to measure shiny object like metals, put a piece of optional black tape on the surface of the measuring object.
- DO NOT LET THE THERMOMETER TOUCH THE OBJECT THAT IS BEING MEASURED.
The unit is a non-contact thermometer's. Touching or getting too close to the objects with high temperatures may cause irreparable damage or incorrect measurement.

Product mentioned in this catalogue equips a laser element classified Class2. In case of re-export to foreign countries, please confirm the relevant regulation for laser products in the destination country.

Due to continuous product improvement, the design and technical specifications are to subject change without prior notice

TASHIKA BOEKI SHOKAI K.K.

1-12, Kaiyo-cho, Ashiya, 659-0035, JAPAN

Tel: + 81-797-23-9035 Fax: + 81-797-23-2105 e-mail: sales@tashika.co.jp URL: www.tashika.co.jp