OPTEX

Portable Non-contact thermometer

High performance, Easy operation,
Durable packege with convenient
measurement

THERMO-HUNTER®

PT-S80
PT-U80

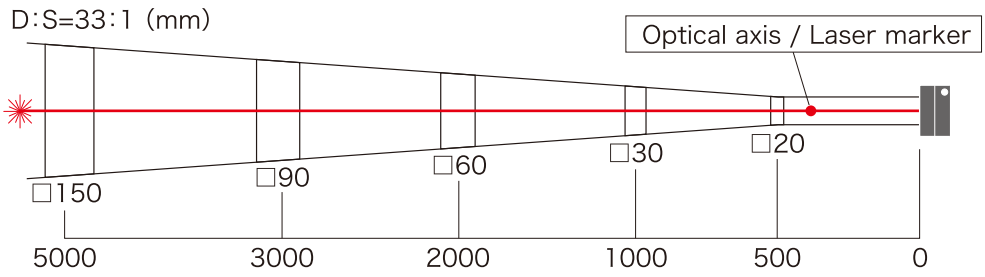
-30 to 600℃



Features

- **Long forcus design with 150mm square from 5m**
- **Interactive with USB interface. (PT-U80)**
- **Large display with automatic EL back-light**
- **Wide temperature range. (-30 to 600°C)**
- **Audible and visible High/Low alarm**

Optical Specifications



※ The optical resolution value stated above are at minimum 90% energy.
※ The size of measuring object should be sufficiently larger than the spot size.
※ The temperature value displayed on LCD is the average temperature within the spot size.

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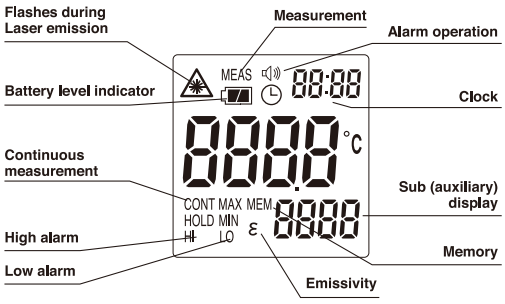
Specifications

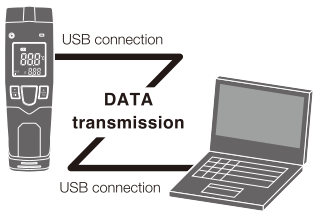
Model	PT-S80	PT-U80
Temperature range	−30 to 600℃	
Optical resolution	□30mm／1000mm(D:S=33:1)	
Sensing element/Spectral response	Thermopile/8 to 14μm	
Accuracy (ε≒0.95)	−30.0 to 0℃:3℃, 0.1℃ to 200℃:2℃, 201℃ to 600℃:1%	
Repeatability	1℃ of reading	
Response time	0.5sec/90%	
Temperature resolution	−30.0 to 199.9℃：0.1℃、200 to 600℃：1℃	
Emissivity adjustment (ε)	0.95 / 0.85 / 0.70 Selectable	0.3 to 1.20 adjustable / 0.01 step
Continuous measuring mode	-	ON/OFF Selectable
USB output	-	Available
Alarm functions	audible and visible High/Low alarm (ON/OFF selectable)	
Display back-light	EL back-light	
Data logging	1 point	35 point (max 150 point)
Display hold	15 seconds	
Display function	NOR/MAX/MIN	
Power supply	AA alkaline battery x2pcs	
Battery life	15 hours (with max load)	
Ambient temperature	0 to 50℃	
Relative humidity	35 to 85%Rh (non-condensing)	
Storage temperature	−10 to 60℃	
Sighting	Laser (ClassII)	
Material	ABS/TEEE	
Dimension	H×W×D = 182×56×38mm	
Weight	230g (incl. batteries)	
Standard accessories	AA alkaline battery (2pcs), Instruction manual, Protective case, USB cable (PT-U80)	

***Specifications subject to change without notice.**

*1) The exclusive software for PT-U80 is available at Optex Website. It is not provided withhardware.
*2) We recommended use with Personal Computer and Windows 2000 or XP operating system,equipped with USB connector for a proper function. USB Rev1.1 conformity.
*3) Operation may fail depending on peripheral devices connected to the PC. *4) The exclusive software is available at URL: URL http://www.optex.co.jp/meas/english.

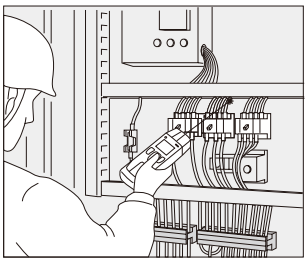
Display



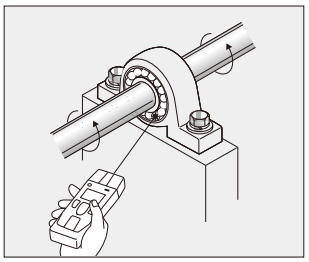




Applications



Checking for hot spots in an electrical panel.



Checking for abnormal heating in a bearing.

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