PT-S80/PT-U80 (With USB output)

Specification

Model PT-S80 PT-U80

Measuring range -30 to 600°C

Field of view 30mm/1000mm [D:S=33:1]

Optics Si lens

Sensing element Thermopile Wavelength $8 \text{ to } 14 \text{ } \mu\text{m}$

Response time 0.5 sec. / 90 %

Accuracy (ε=0.95) −30.0 to 0°C:3°C,0.1°C to 200°C:2°C,201°C to 600°C:1%

Repeatability 1°Cof reading value

Display resolution -30.0 to 199.9°C: 0.1°C, 200 to 600°C: 1 %

Sighting method Coaxial Laser marker (Class 2)

HOLD time 15 seconds

Continuous

measurement mode N / A ON/OFF Selectable

USB output N / A Available

Data storing Single memory $\frac{35\text{-point memory}}{(\text{max 150 point})}$

(max 150-point)

Back light EL back light

High / Low alarm Alarm LED, Buzzer, (ON/OFF Selectable)

Emissivity (E) adjustment 0.95 / 0

0.95 / 0.85 / 0.70 Selectable $\epsilon(0.3 \text{ to } 1.20 / 0.01 \text{ step})$

Display function NOR/MAX/MIN

Power supply AA alkaline battery (2 pieces)

Battery life 15 hours (with max load)

Ambient

temperature 0 to 50°C

Ambient humidity 35 to 85 % RH (no condensation)

Storage

temperature $-10 \text{ to } 60^{\circ}\text{C}/35 \text{ to } 85\% \text{ RH}$

/humidity

Material ABS/TEEE

Dimensions $H \times W \times D = 182 \times 56 \times 38 \text{mm}$

Weight Approx. 230 g (including batteries)

^{**} Accessories: Size AA alkaline battery (two) for operation check, Instruction manual, Protective case for PT-S80/U80, USB cable (for PT-U80 only), Optional: Black body tape HB-250

^{**} Specifications are subject to change for product improvement without prior notice.

Outside dimensions Laser emission window Silicon lens Rubber Alarm LED High alarm "RED" Low alarm "GREEN" THERMO-HUNTER **Ambient Light sensor** MEASURE MAX / MIN button For switching display functions and selecting setting value **MEASURE** button For temperature measurement and other various settings MEM/CAL button Store the DATA Recall the DATA **SET** button (inside of cover) PT-S80: ALARM For setting PT-U80: Emissivity, ALARM, For clock setting Rubber-

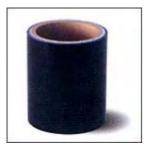
Standard accessory Protective case



Front

Side

Options



Black Tape HB-250

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.

Caution

Difficult measurement cases

- When the surface being measured is reflective, such as polished metal.
- *(Before measuring, apply the optional HB-250 tape or apply a matte finish.)
- ·When measuring through glass

Safety instructions

- •Please read through the instruction manual before use.
- •This product is not a clinical thermometer, therefore, cannot be used for medical purposes.
- •Keep the thermometer away from water contact, as it is not waterproof.
- •Avoid rapid change of the ambient temperature, as this may cause measurement error.
- •eep the thermometer away from strong electromagnetic sources.

Laser beam

- •This product uses laser classified as class II complying with JIS C 6802.
- •For safe use, follow the warning labels attached to this product.
- •This is a portable product with the laser maker certificated by JQA (Japan Quality Assurance of Organization).

DUE TO CONTINUOUS PRODUCT IMPROVEMENT, THE DESIGN AND TECHNICAL SPECIFICATIONS

ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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