

PE-TT8090 Infrared temperature and thermocouple meter

Key Feature:

8090 is dual thermometer that combines two precision thermometers in one unit: a non-contact infrared thermometer and a thermocouple thermometer. This unique thermometer measurement surface temperature with and without contact. Measures internal temperatures with type K thermocouple. With fast response, emissivity of 0.95, field of view of 2:1, it is an ideal range for non-contact accuracy thermometer, provides holds AVG, MIN & MAX values, backlight, °C and °F selectable, auto power off, and Data Hold. Applications include Refrigeration, Boiler, Pavement, Printer/Copier, HVAC/R, Automotive and Industrial Troubleshooting.



SPECIFICATIONS:

- Measuring Range
 - Infrared: $-50 \sim 300^{\circ}\text{C}$ ($-58 \sim 572^{\circ}\text{F}$)
 - Thermocouple: $-200 \sim 1300^{\circ}\text{C}$ ($-328^{\circ}\text{F} \sim 2372^{\circ}\text{F}$)
- Resolution
 - Infrared: $0.1^{\circ}\text{C}/0.1^{\circ}\text{F}$
 - Thermocouple: $1^{\circ}\text{C}/1^{\circ}\text{F}$ (thermocouple above 1000°C)
- Accuracy
 - infrared: $-50 \sim 20^{\circ}\text{C}/\pm 5^{\circ}\text{C}/9^{\circ}\text{F}$
 - infrared: $-20 \sim 300^{\circ}\text{C}/\pm (1.5\% \text{ reading} + 3^{\circ}\text{C}/5^{\circ}\text{F})$
 - thermocouple: $-200 \sim 100^{\circ}\text{C}/\pm (0.2\% \text{ reading} + 1^{\circ}\text{C}/2^{\circ}\text{F})$
 - thermocouple: $-100 \sim 1300^{\circ}\text{C}/\pm (0.1\% \text{ reading} + 0.7^{\circ}\text{C}/1.4^{\circ}\text{F})$
- Display: 4 digits LCD Display
- Emissivity: 0.95
- Field of view: 2:1
- Laser power: Less than 1 mw

- Response time: 0.5 second
- Auto power off: 25 seconds (infrared) or 20 minutes(thermocouple)
- Special function: Data hold; MAX, MIN and AVG; Back light; Low battery indicator
- Operating environment: 0 ~ 50 °C(32~122°F), 0 ~ 90%RH
- Storage environment: -10 ~ 60°C(14~140°F), 0 ~ 80%RH
- Dimension: 121(L)x60(W)x30(H)mm
- Weight: about 180g

Accessories included:

- Free K-type thermocouple wire
- Free 1.5V x3AAA batteries
- Free protect cover
- Free protective carrying case
- Free Wrist Strap/String
- User's Manual