

Probe Thermometer PCE-T 318



PCE-T 318 Probe Thermometer

Measures temperatures from -100 ... 300°C (-148 ... 572°F) / Compatible with IEC751 PT100, PT500 and PT1000 sensors / Includes 1 x 4-wire PT100 class A sensor

PCE-T 318 is a digital probe thermometer used to measure temperature in laboratory, industrial and heating, ventilation, air conditioning and refrigeration (HVACR) systems and applications. Compatible with IEC751 PT100, PT500 and PT1000 sensors, this platinum resistance temperature detector (RTD) thermometer includes 1 x 4-wire PT100 class A sensor in the delivery contents. (PT100 sensors have a resistance of 100 ohms at 0°C / 32°F.) Additional sensors sold separately.

This portable handheld thermometer offers an impressive temperature measuring range from -100 ... 300°C / -148 ... 572°F with a display resolution of 0.1°. The thermometer features minimum, maximum, average and hold functions. In addition, the device will shutdown automatically after a period of inactivity to conserve battery power. Measurements can be shown on the device's large backlit LCD screen in either Celsius (°C) or Fahrenheit (°F), depending on user preference.

- ▶ High accuracy
- ▶ Large LCD screen with backlight
- ▶ Min, max, average and hold functions
- ▶ Adjustable measuring units (°C or °F)
- ▶ Automatic shutdown to conserve battery power
- ▶ Compatible with IEC751 PT100, PT500 and PT1000 sensors
- ▶ Includes 1 x 4-wire PT100 class A sensor in the delivery contents

Specifications

Measuring range	-100 ... 300°C / -148 ... 572°F
Resolution	0.1°C / 0.18°F
Accuracy (at 23°C / 73.4°F ± 5°C / 9°F)	± (0.1% of reading + 0.4°C / 0.72°F)
Sensor	1 x 4-wire PT100 class A sensor included Compatible with IEC751 PT100, PT500 and PT1000 sensors
Measuring current	Approx. 0.53-mA
Number of sensor inputs	1
Measuring rate	0.5 sec.
Ingress protection rating	IP67 = dustproof, waterproof
Power supply	3 x 1.5V AAA batteries
Battery life	Approx. 100 hours of continuous use
Operating conditions	0 ... 50°C / 32 ... 122°F, 0 ... 80% RH
Storage conditions	-10 ... 60°C / 14 ... 140°F, 0 ... 80% RH
Dimensions	Handset: 150 x 66 x 31 mm / 5.9 x 2.6 x 1.2 in Sensor (stainless steel part): 124 x Ø 3.2 mm / 4.9 x Ø 0.13 in Sensor (total): 240 x Ø 15 mm / 9.4 x Ø 0.6 in
Weight	Approx. 175 g / < 1 lb

Subject to change