FOOD INFRARED THERMOMETER

PCE-IR 100



- **Ideal for use in food processing, food inspection, food safety, food quality**
- **control, food preparation and food catering applications**
- **Aids in compliance with the hazard analysis and critical control points**
- **(HACCP) system**
- **Sensor probe folds into unit for convenient storage**
- **Accurately covers a wide measurement range**
- **Quick response time**
- **Minimum, maximum and lock functions**
- **Enables continuous measurement over a period of time**
- **IP 65 ingress protection rating allows hygienic cleaning**
- **Easy to use: LEDs indicate temperatures below 4°C / 39.2°F, temperatures**

Food Thermometer PCE-IR 100 (HACCP)

Information about Food Thermometer
The temperature plays an important role in the storage and transportation of perishable foodstuffs. The digital Food Thermometer from PCE Instruments is an infrared thermometer with a fold-out penetration probe designed specifically to quickly and effectively control the surface and core temperature of food. With the help of the infrared food thermometer, the user can carry out an uncomplicated quality control of the food products and check whether the handling complies with the HACCP standard. The HACCP (Hazard Analysis and Critical Control Points) quality concept has been created to prevent hygienic risks during the production and handling of food and it ensures the quality, safety and shelf life of the foodstuffs.
The user-friendly food thermometer combines contact and non-contact temperature measurement in one device. In order to avoid the risk of contamination with germs and, thus, to protect the examined food, the manufacturer has equipped the food thermometer with an infrared sensor. This allows carrying out a non-contact measurement of the surface temperature with the help of the food thermometer. By means of a fold-out

Specification

Type K temperature	
Measuring range	-55 ... -5 °C
Resolution	0,2 °C
Accuracy	±1 °C
Type K temperature	
Measuring range	-5 ... +65 °C
Resolution	0,2 °C
Accuracy	±0.5 °C
Type K temperature	
Measuring range	65 ... 330 °C
Resolution	0,2 °C
Accuracy	±1 °C
Infrared temperature	
Measuring range	-33 ... 0 °C
Resolution	0,2 °C
Accuracy	±1°C + 0.1°C
Infrared temperature	
Measuring range	0 ... 65 °C
Resolution	0,2 °C
Accuracy	±1 °C
Infrared temperature	
Measuring range	65 ... 200 °C
Resolution	0,2 °C
Accuracy	±1.5% f.s.

penetration probe, the food thermometer additionally registers the temperature in the core area.

General technical data	
Measuring functions	MAX, MIN, HOLD, LOCK
Units	°C, °F
Display size	1,2 Inch
Sensor	Thermocouple (type K)
Response time	500 mS
Operating time	40 h
Measurement spot	2.5:1
Light source	LED
Reproducibility	Within the accuracy of the device
Emissivity from/to	0.1 ... 1
Emissivity	0,95
Spectral range	8 ... 14 µm
Dimensions	Sensor: - Diameter: 3.2 mm - Length: 113 mm
Menu language	English, English (GB)
Protection class (device)	IP65
(Rechargeable) battery	2 x 1,5 V AAA battery , Alkali-manganese
Capacity	1200 mAh
Operating conditions	0 ... 50 °C , 0 ... 80 % RH
Storage conditions	-20 ... 50 °C , 0 ... 80 % RH
Dimensions (L x W x H)	160 x 40 x 22 mm
Weight	80 g