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Technical Specification Infrared Thermometer PCE-JR 911

Infrared Thermometer with data logger, internal memory, software, data cable and integrated printer.

The PCE-JR-911 infrared thermometer with data logger is a versatile tool in that it can measure the temperature of objects without contact and readings can be stored in memory and transferred to a computer by way of its RS-232 interface and software. This infrared thermometer comes complete with a data logger, allowing the user to programme specific time intervals for taking measurements, such as over an entire week. Once a series of measurements have been taken, this data can be transferred to a computer for analysis. Incorporated in the thermometer is a small thermal printer so the user can print readings instantly. Another characteristic is the possibility to designate 99 measurement positions to allow for them to be clearly classified.
The infrared thermometer's emissivity can be adjusted between 0.3 and 1.0, depending on the surface material. The visible pointer allows for the object being measured to be targetted with accuracy. Owing to its multiple capabilities, this infrared thermometer is used in many different sectors including the industrial and food sectors as well as research and development.
The infrared thermometer is shipped with a factory calibration. An ISO calibration can be ordered separately. Its many components provide the infrared thermometer with a multitude of uses. Optional components include a tripod, an RS-232 to USB adaptor and replacement rolls of paper for the printer.

- Easy to use
- Adjustable date and time
- Printer, memory and data logger integrated
- RS-232 interface
- Data Logger for up to 12,000 readings
- Possibility to designate 99 measurement positions
- Software with RS-232 cable
- Infrared point for accuracy
- Adjustable emissivity
- Can be mounted on a tripod
- Backlit display
- Auto shut-off function
- Modes of operation:
- Measurement and printing of data
- Measurement and printing of data in tables
- Measurement time intervals over a long duration, readings transferred to a computer

Technical specifications

Temperature range	-40 to 500°C
Resolution	0.1°C
Accuracy	±2% of reading or ±2°C (the highest value is valid)
Emissivity	0.3 to 1.0 (adjustable)
Optical resolution	8:1
Response time	0.2 seconds
Memory	12,000 readings
Interface	RS-232 (optional RS-232 to USB adaptor available)
Measurement interval	(adjustable)
Printer	integrated thermal printer, 38mm wide for 28 x 30mm paper
Display	LCD
Power	4 AA batteries or optional mains adaptor
Dimensions	208 x 70 x 53mm
Weight	260 g