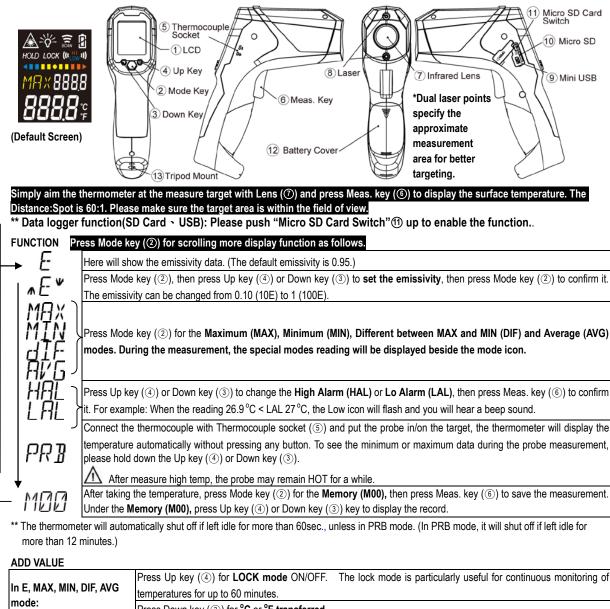
Manual Thermometer PCE-895

PCE-895 Thermometer Operating Instructions

For Model with thermocouple socket

The PCE-895 thermometer is a non-contact infrared thermometer. There are many mathematical modes for the Infrared function. Please remember to keep away from children and don't use it for safety related applications.



| | temperatures for up to 60 minutes. | |
|-----------------------------|---|--|
| mode: | Press Down key (\Im) for °C or °F transferred. | |
| In MAX, MIN mode: Hold on | ows RED color when the reading is close to maximum value, and shows BLUE when close to minimum. While the temperature is between the maximum and minimum, the bar will display in YELLOW . | ▲ॐ ≅ ® MRX 1959 795.9° /35.9° |
| In all modes: First hold on | LCD Backlight: always on. | * |
| the Meas. key (⑥) | and press Down key (\Im) for laser function ON/OFF. | |

1. WHEN DEVICE IS IN USE, DO NOT LOOK DIRECTLY INTO THE LASER BEAM-PERMANENT EYE DAMAGE MAY RESULT.

2. USE EXTREME CAUTION WHEN OPERATING THE LASER.

3. NEVER POINT THE DEVICE TOWARDS ANYONE'S EYES.

4. KEEP OUT OF REACH OF ALL CHILDREN.



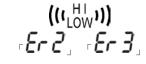
STORAGE & CLEANING

www.pce-instruments.com/english www.pce-instruments.com

It should be stored at room temperature. The sensor lens is the most delicate part of the thermometer. The lens should be kept clean at all times, care should be taken when cleaning the lens using only a soft cloth or cotton swab with water or medical alcohol, allowing the lens to fully dry before using the thermometer. Do not submerge any part of the thermometer.

LCD ERROR MESSAGES

The thermometer incorporates visual diagnostic messages as follows:



-Er

'Hi' or 'Lo' is displayed when the temperature being measured is outside of the settings of HAL and LAL.

'Er2' is displayed when the thermometer is exposed to rapid changes in the ambient temperature. 'Er3' is displayed when the ambient temperature exceeds 0°C (32°F) or +50°C (122°F). The thermometer should be allowed plenty of time (minimum 30 minutes) to stabilize to the working/room temperature.

Error 5~9, for all other error messages it is necessary to reset the thermometer. To reset it, turn the instrument off, remove the battery and wait for a minimum of one minute, reinsert the battery and turn on. If the error message remains please contact the Service Department for further assistance.



'Hi' or 'Lo' is displayed when the temperature being measured is outside of the measurement range.

BATTERIES

The thermometer incorporates visual low battery indication as follows:

|--|--|



'Battery OK': measurements 'Batter are possible replaced, r

'Battery Low': battery needs to be replaced, measurements are still possible

'Battery Exhausted': measurements are not possible

A When the 'Low Battery' icon indicates the battery is low, the battery should be replaced immediately with AA, 1.5V batteries. Please note: It is important to turn the instrument off before replacing the battery otherwise the thermometer may malfunction.

A Dispose of used battery promptly and keep away from children.

SPECIFICATION PCE-895

| | Non-contact Infrared Scan function | Thermocouple Probe Scan function | |
|-----------------------------|---|--|--|
| | | (K type; probe not included.) | |
| Measurement Range | -35 to +1600 °C (-31 to +2912 °F) | -64 to +1400°C (-83.2 to +2552°F) | |
| Operating Range | 0 to +50°C (32 to +122°F) | | |
| Accuracy(Tamb=23±3°C) | Tobj=-35~0: ±(2°C+0.05/degC)°C, | ±1% of reading or 1°C (1.8°F) whichever is | |
| | Tobj=0~1600: ±2% of reading or 2°C (4°F) whichever is greater | greater (Test under Tamb=23±6°C) | |
| Emissivity Range | 0.95 default – adjustable 0.1 to 1 step .01 | | |
| Resolution | 0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F | | |
| Spectral Range | 8~14µm | | |
| Response Time (90%) | 1sec | | |
| Distance:Spot | 60:1 (90% energy covered) | | |
| Internal Memory | Detailed 24 Memories with Temperature & Emissivity | | |
| External Memory Type | Support 8G micro SD card (Recommend to use the attached SD card). | | |
| | If SD card data logger is failed, please reset the switch (1) | | |
| USB Function | Please download the program from CD. (CD & USB cable are enclosed with the package) | | |
| Output Interface | SPI, USB, SD card | | |
| Battery Life | Typical 14, min 10 hours continuous use (Alkaline, with laser and backlight) | | |
| Dimensions | 202.99*176.07*58.31 mm (7.99×6.93×2.30 inch) | | |
| Weight | 401 grams (14.14 oz) including batteries (AA*2pcs) | | |
| Note: Under the electromage | metic field of 3V/m from 180 to 600 MHz, the maximum error is 10 °C (| 18 °F) | |

Note: Under the electromagnetic field of 3V/m from180 to600 MHz, the maximum error is 10 °C (18 °F).

▲ Caution: The measure range is for thermometer only. User should choose proper probe types for different kinds of application. Please make sure the target to be measured will not exceed the temperature range of the probe to avoid permanent damage of the thermocouple probe.

▲ Caution: To avoid electric shock and thermometer damage, do not measure live circuit where voltage exceeding 24V AC RMS or 60V DC with the thermocouple probe.

EMC/RFI: Readings may be affected if the unit is operated within radio frequency electromagnetic field strength of approximately 3 volts per meter, but the performance of the instrument will not be permanently affected.

