

6. DIGITAL THERMOMETERS

IRT-7920 INFRARED THERMOMETER WITH K-TYPE PROBE

FEATURES

- IR with laser pointer or K-type thermocouple probe thermometer.
- Hand-held, easy to operate.
- °C/°F selectable.
- Backlit LCD display.
- Max/min readings.
- Audible and visible Hi/Lo alarm function.
- Data memory (50 sets of data) and read function.
- Over range indication (OL or -OL).
- Auto hold after IR measurement.
- Auto power off function (IR: 10 sec. or continuous; K-type 30 min).
- Power supply: 1 x 9 V battery included.
- Low battery indication.
- Battery life ±150 hours (laser pointer and backlight turned off).

SPECIFICATIONS IR

- Temperature range: **-20°C to +500°C** (-4°F to +932°F).
- Resolution **0,1°C** (0,2°F).
- Accuracy: **± 2 %** of reading or **± 2°C** (4°F), whichever is greater (+ see temp. coefficient).
- Adjustable emissivity from 0,17 to 1 (preset at 0,95).
- Laser pointer 1 mW (class 2).
- Optical reading ratio: 8:1 with a 25,4 mm (1") min target.
- Spectral response: 6 μm to 14 μm.

SPECIFICATIONS K-TYPE PROBE

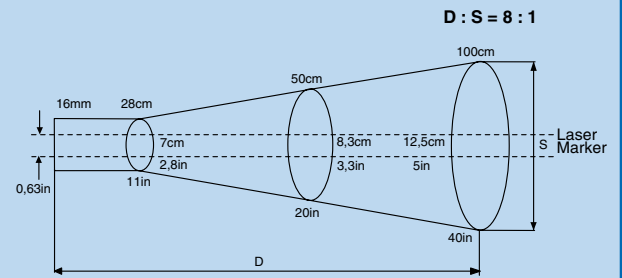
- Temperature range: **-100°C to +1333°C** (-148°F to +1999°F).
- Resolution and basic accuracy: (at 23 ± 5°C calibration) accuracy is at 18°C to 28°C with relative humidity up 80 % (+ see temp. coefficient).

Function	Resolution	Range	Accuracy
°C	0,1°C	-100°C~0°C	±(0,2 % rdg + 1,0°C)
		0°C~200°C	±(0,1 % rdg + 1,0°C)
	1°C	200°C~1333°C	±(0,2 % rdg + 2°C)
°F	0,1°F	-148°F~32°F	±(0,2 % rdg + 2°F)
		32°F~200°F	±(0,1 % rdg + 2°F)
	1°F	200°F~1999°F	±(0,2 % rdg + 4°F)

- The basic accuracy does not include the probe-error.

GENERAL

- Temperature coefficient: 0,1 x the applicable accuracy specification per °C from **0°C to 18°C** and 28°C to 50°C (32°F to 64°F and 82°F to 122°F).
- Response time: once per second.
- Operating temperature: 0°C to +50°C (+32°F to +122°F).
- Operating humidity: below 80 % RH.
- Storage conditions: -10°C to +60°C (+14°F to +140°F); below 70 % RH.
- Dimensions: **170 mm x 52 mm x 38 mm** (6,7" x 2,1" x 1,5").
- Weight: **180 g**, with battery.
- Supplied with 1 probe, battery, carrying case and instruction manual.
- See **SPARE PARTS** page 12 for all 'PR' available probes.



ITE-8909 **NON-CONTACT INFRARED, GUN SHAPE THERMOMETER** (probe not included)

FEATURES

- Non contact temperature measurement.
- Build-in type K thermometer.
- °C/°F display selectable.
- LCD display, easy readout.
- Gun type, heavy duty & compact housing case.
- Records max. & min. readings with recall.
- Data hold.
- Auto shut off saves battery life.
- 9 V DC battery included.

SPECIFICATIONS

- Temperature readings: **-10°C to +350°C** (+14°F to +662°F).
- Resolution: 1°C. Sampling time: approx. 1 second.
- Accuracy: **± 2 %** of reading or **± 2°C** (± 3°F) whichever is greater.
- Operating temperature: **0°C to +50°C** (+32°F to +122°F).
- Operating humidity: less than **80 % RH**.
- Emissivity adjustment from **0,1** to 0,95.
- Dimensions: **195 mm x 120 mm x 58 mm** (7,7" x 4,7" x 2,3").
- Weight: **265 g** (0,6 lbs).
- See **SPARE PARTS** page 13 for all 'PR' available probes.

