

Convir ST880 Series Low Cost Handheld Infrared Thermometer

- ◆ Measure temperature of hot or moving objects from a safe distance
- ◆ Easy and safe to use
- ◆ Unique, modern and compact design
- ◆ Built-in laser pointer to improve aim
- ◆ Narrow field of view
- ◆ Backlit display with Data Hold
- ◆ °C/°F switchable
- ◆ Auto-hold and power off
- ◆ Soft carrying case

The Convir ST880 Series is a range of low cost, miniature handheld infrared thermometers with laser sighting and large backlit LCD displays.

There are two models to choose from, each with different temperature ranges to suit different applications. The emissivity setting is fixed at 0.95, making the ST880 Series ideal for most organic materials and non-shiny (painted, corroded or anodised) metals.

Readings can be taken in °C or °F, and when the trigger is released the last measurement is held for 7 seconds before the unit automatically turns off. The narrow, 8:1, field of view helps to minimise errors by providing a small diameter measurement area.

These rugged units will operate in ambient temperatures from 0°C to 50°C and are powered by a standard PP3 9 V battery.

Model ST882 measures from -50°C to 200°C with 0.1°C resolution and from 200°C to 550°C with 1°C resolution - the change in resolution occurs automatically. Model ST880 measures from -50°C to 280°C.

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ST880

Temperature Range	Resolution	Accuracy
-50.0°C to 280.0°C	1°C	±5% or ±2°C
-58°F to 536°F	1°F	±5% or ±4°F

ST882

Temperature Range (Automatic selection 0.1°C/1°C)	Resolution	Accuracy
-50.0°C to 200.0°C	-50.0°C to -20.0°C	0.1°C
	-20.0°C to 200.0°C	1°C
200°C to 550°C		1°C

Temperature Range (Automatic selection 0.1°F/1°F)	Resolution	Accuracy
-58.0°F to 200.0°F	-58.0°F to -4.0°F	0.1°F
	-4.0°F to 200.0°F	1°F
200°F to 1022°F		1°F

Note: 1. Accuracy is given at 18°C to 28°C (64°F to 82°F), less than 80% RH. 2. Accuracy specified is for emissivity of 0.95

GENERAL SPECIFICATIONS

Display	3.5 digit LCD with backlighting
Response Time	Less than 1s
Emissivity	Fixed at 0.95
Field-of-view	8:1
Spectral Range	6 to 14 µm
Power Off	Automatic shut off after 7 seconds
Ambient Temp. Range	0°C to 50°C (32°F to 122°F)
Relative Humidity	10% to 90% RH operating, <80% RH storage
Power	PP3 9 V battery
Weight	180 g
Dimensions	160 x 82 x 41 mm

DISTANCE (D) TO SPOT SIZE (S)

