

Convir ST8818 Series Professional Low Cost Handheld Infrared Thermometer

- ◆ Measure temperature of hot or moving objects from a safe distance
- ◆ Easy and safe to use
- ◆ Wide temperature range
- ◆ Built-in laser pointer to improve aim
- ◆ Narrow field of view
- ◆ Backlit display with Data Hold
- ◆ °C/°F switchable
- ◆ Fast sampling time
- ◆ Auto-hold and power off
- ◆ Automatic Range Selection and Resolution

The Convir ST8818 Series is a range of professional, low cost, handheld infrared thermometers with laser sighting and large backlit LCD displays.

Each unit measures from -50°C to 200°C with 0.1°C resolution and from 200°C upwards with 1°C resolution - the change in resolution takes place automatically. They also offer a superior 12:1 field of view, which helps to minimise errors by producing a small diameter measurement area.

The emissivity setting is fixed at 0.95, making the ST8818 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.

This rugged unit will operate in ambient temperatures from 0°C to 50°C and is powered by a standard PP3 9 V battery.

The ST8818 is supplied with a soft carrying case, and the ST8828 is supplied with a hard carrying case.

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ST8818

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	±5°C
	-20.0°C to 200.0°C	±1.5% or ±2°C
200°C to 550°C	1°C	±1.5% or ±2°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	±9°F
	-4.0°F to 200.0°F	±1.5% or ±4°F
200°F to 1022°F	1°F	±1.5% or ±4°F

ST8828

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	±5°C
	-20.0°C to 200.0°C	±1.5% or ±2°C
200°C to 1000°C	1°C	±1.5% or ±2°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	±9°F
	-4.0°F to 200.0°F	±1.5% or ±4°F
200°F to 1832°F	1°F	±1.5% or ±4°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	12:1
Spectral Range	8 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% storage
Power	PP3 9 V battery
Weight	290 g
Dimensions	230 x 56 x 100 mm

DISTANCE (D) TO SPOT SIZE (S)

