

ST680 Series

Handheld Infrared Thermometer



- Wide temperature range, -50°C to 1000°C
- Narrow 50:1 field of view
- Data USB Output (ST689)
- Input for type K thermocouple (ST689)
- Built-in laser pointer to improve aim
- Adjustable emissivity
- Adjustable high and low alarms
- Backlit LCD display
- °C/°F switchable
- Fast sampling time
- Auto-hold and power off
- High quality construction

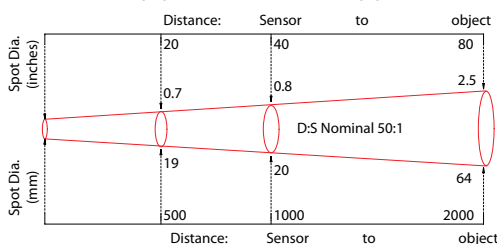
General Specifications

Field-of-view	50:1
Temperature Range	-50° c to 1000° c (-58° f to 1832° f)
Accuracy*	±3° c (±5° f) from -50° c to -20° c (-58° f to -4° f) ±2° c (±3° f) from -20° c to 100° c (-4° f to 212° f) ±2% above 100° c (212° f)
Spectral Range	8 to 14µm
Repeatability	±1° c (±2° f)
Resolution	0.1° c (0.1° f)
Response Time	500ms
Ambient Range	0° c to 50° c (32° f to 122° f), 10% to 90% r H
Power OFF	Automatic after approx. 6s
Display	4-digit LCD with backlighting
Battery Type	9V, PP3
Dimensions	200mm x 127mm x 47mm
Weight	330g

*accuracy is given at ambient temperature of 25° c (77° f)

	ST688	ST689
Emissivity	Adjustable 0.1 to 1.0	Adjustable 0.1 to 1.0
Type K Thermocouple Input	nO	YES
USB Data Output	nO	YES
10 point memory	YES	YES
Audible Alarm	YES	YES
°C/°F Switchable	YES	YES
Backlight	YES	YES
Laser Sight Switchable	YES	YES
Max/Min/Avg/ ΔT	YES	YES
Carrying case	YES	YES

DISTANCE (D) TO SPOT SIZE (S)



The ST680 Series is a range of high quality, handheld infrared thermometers with laser sighting and large backlit LCD displays.

Each unit measures from -50°C to 1000°C with 0.1°C resolution. They also offer a superior 50:1 field of view, which helps to minimise errors by producing a small diameter measurement area.

Model ST689 has a USB data output.

The emissivity setting is adjustable from 0.1 to 1.0 and both models provide adjustable audible alarms.

Readings can be taken in °C or °F, and when the trigger is released the last measurement is held for approximately 6 seconds before the unit automatically turns off.

ST680 series thermometers will operate in ambient temperatures from 0°C to 50°C and are powered by a standard PP3, 9V battery.

Each unit is supplied complete with a soft carrying case.