

ST633

Configurable Handheld Infrared Thermometer



- Wide temperature range
- Built-in laser pointer to improve aim
- Narrow field of view
- Selectable emissivity setting
- Backlit display with Measurement Hold
- °C / °F switchable
- Fast sampling time
- Auto-hold and power off
- High quality construction

SPECIFICATIONS

Temperature Range	-35°C to 630°C (-31°F to 1,166°F)
Accuracy*	± 2.5°C (± 4.5°F) from -35°C to 0°C (-31 to 32°F), ± 1.5°C (± 2.7°F) from 0°C to 100°C (32 to 212°F), ± 2% above 100°C (212°F)
Emissivity Setting	Selectable 0.95, 0.7, 0.3
Optics	12:1 divergent (see OPTICS)
Spectral Range	5 to 14 μm
Repeatability	±1°C (±2°F)
Resolution	0.1°C (0.1°F)
Response Time	500 ms
Ambient Range	0°C to 50°C (32°F to 122°F), 10% to 90% RH
Power OFF	Automatic after approx. 7 s
Display	LCD with backlighting
Temperature Display	Max, Min, Avg, ΔT
Temperature Units	°C/°F Switchable
Laser Sight	Switchable On/Off
Battery Type	9 V, PP3
Dimensions	156 x 100 x 32 mm
Weight	195 g (ST642) / 133 g
Carrying Case	Included
Memory	10 temperature points
Alarm	Configurable audible alarm

*Accuracy is given at ambient temperature of 25°C (77°F)

The ST633 is a low-cost, high-quality handheld infrared thermometer with laser sighting and a large backlit LCD display.

A wide temperature range covers most general industrial applications.

This compact unit offers a narrow 12:1 field of view, with a small diameter measurement area for precise aiming.

The default emissivity setting is 0.95, making the ST633 ideal for most organic materials and non-reflective (painted, oxidised or anodised) metals. The emissivity setting is selectable for improved performance on other materials.

The ST633 has adjustable audible alarms to notify the user when the target temperature exceeds the alarm set point.

Readings can be taken in °C or °F, and when the trigger is released the last measurement is held for approximately 7 seconds before the unit automatically powers off.

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

Each unit is supplied with a soft carrying case.

OPTICS

