

# Convir ST8833 Low Cost Handheld Infrared Thermometer with Thermocouple Input

- ◆ Temperature range from -50°C to 800°C
- ◆ Input for type K thermocouple
- ◆ Adjustable emissivity
- ◆ High and low alarms
- ◆ Built-in laser sighting
- ◆ Narrow 13:1 field of view
- ◆ Backlit display with Data Hold
- ◆ °C/°F switchable
- ◆ Auto power off

The Convir ST8833 is a professional, low cost, handheld infrared thermometer with an input for a type K thermocouple.

This sensor measures from -50°C to 800°C with 0.1°C resolution in infrared operation, and from -50°C to 1370°C in thermocouple operation.

This model's infrared sensor offers a 13:1 field of view, laser sighting and adjustable emissivity from 0.10 to 1.00.

Adjustable high and low alarms are provided, to enable the quick identification of critical temperatures.

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.

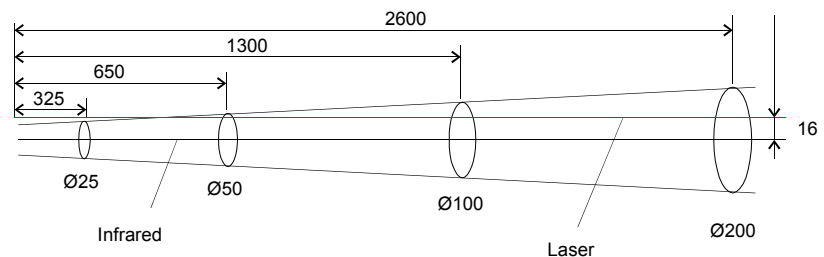
This rugged unit will operate in ambient temperatures from 0°C to 50°C and is powered by a standard PP3 9 V battery.



## GENERAL SPECIFICATIONS

<b>Temperature Range</b>	-50°C to +800°C
<b>Accuracy</b>	±1.5% of reading
<b>Display</b>	3.5 digit LCD with backlighting
<b>Display Resolution</b>	0.1°
<b>Response Time</b>	Less than 1s
<b>Emissivity</b>	Adjustable 0.10 to 1.0
<b>Field-of-view</b>	13:1
<b>Spectral Range</b>	8 to 14 µm
<b>Thermocouple Temperature Range</b>	-50°C to +1370°C
<b>Thermocouple resolution</b>	0.1° up to 200°, 1° over 200°
<b>Power Off</b>	Automatic shut off after 7 seconds
<b>Ambient Temp. Range</b>	0°C to 50°C
<b>Relative Humidity</b>	10% to 90% RH operating, <80% storage
<b>Power</b>	PP3 9 V battery
<b>Weight</b>	290 g
<b>Dimensions</b>	230 x 56 x 100 mm

## DISTANCE (D) TO SPOT SIZE (S)



**D:S = 13:1**

Unit: mm

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