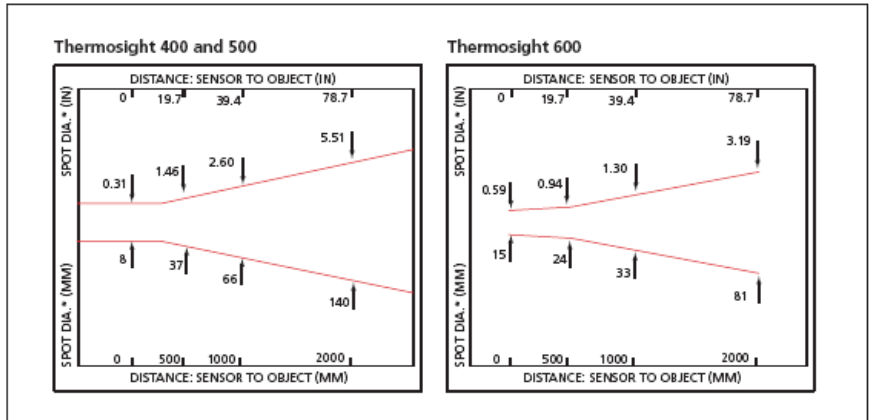


Convir Thermosight Series High Performance Handheld Infrared Thermometer

- Temperature ranges to 1800°C
- Adjustable emissivity from 0.10 to 1.00
- Back-lit LCD display
- Display indicates current, max, min, average or difference temperatures
- Built-in laser sighting
- °C/°F selectable
- 1 mV/Degree analogue output available
- Integral tripod mount
- RS-232 interface available
- Temperature data storage available
- Trigger lock

Thermosight 400/500 AND 600 OPTICAL DIAGRAMS



With its combination of flexibility and power, the Thermosight Series offers a reliable solution to most non-contact, infrared temperature measurement applications.

Adjustable emissivity in 0.01 increments and a choice of different spectral ranges enables the Thermosight Series to measure the temperature of most surfaces. The backlit LCD display indicates the current, max, min, average or difference temperature, providing more information at a glance. Whilst the Thermosight's built-in laser sighting clearly indicates the target being measured.

An RS-232 interface is available, allowing communications between the handheld unit and a PC if required.

GENERAL SPECIFICATIONS

Technical Data	Thermosight 400	Thermosight 500	Thermosight 600	Thermosight 800
Temperature range	-32°C to 400 °C	-32°C to 500 °C	-32°C to 600 °C	-32°C to 800 °C
Spectral range	8 to 14 µm	8 to 14 µm	8 to 14 µm	8 to 14 µm
Distance:Spot size	10 : 1	15 : 1	30 : 1	50 : 1
Accuracy	1%	1 %	1 %	1 %
Repeatability	0.5 %	0.5 %	0.5 %	0.5 %
Response time t_{90}	300 ms	300 ms	300 ms	300 ms
Emissivity	0.2 to 1.0	0.2 to 1.0	0.2 to 1.0	0.2 to 1.0
Display resolution	1°	1°	1°	0.1°

Technical Data	Thermosight 900 and 900 Plus	Thermosight GL and GL Plus	Thermosight HT
Temperature range	-32°C to 900 °C	150°C to 1800 °C	250°C to 1800 °C
Spectral range	8 to 14 µm	5.14 µm	1.45 to 1.7 µm
Distance:Spot size	50 : 1	50 : 1	200 : 1
Accuracy	1 %	1 %	0.75 %
Repeatability	0.5 %	0.5 %	0.2 %
Response time t_{90}	150 ms	150 ms	20 ms
Emissivity	0.2 to 1.0	0.2 to 1.0	0.1 to 1.0
Display resolution	0.1°	0.1°	0.1°



SOUTHERN TEMPERATURE SENSORS LTD.

Temperature Sensors, Accessories and Components

Unit 6, Weyside Park, Newman Lane, Alton, HANTS GU34 2PJ Tel: 01420 541422 Fax: 01420 541433
 Email: enquiries@southerntemp.co.uk Website: www.southerntemp.co.uk