

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
- ◆ USB interface available
- ◆ Temperature data storage available
- ◆ Trigger lock

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.

A USB interface is available, allowing communications between the handheld unit and a PC if required.

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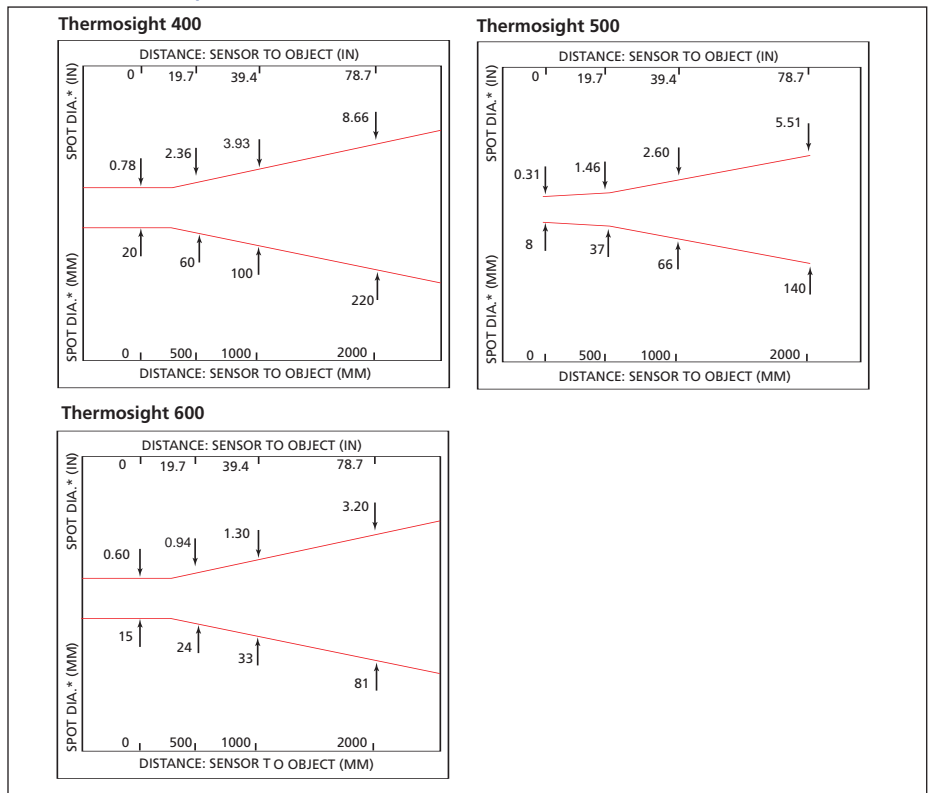


GENERAL SPECIFICATIONS

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	2%	1 %	1 %	1 %
Repeatability	1 %	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 1.8 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°

THERMOSIGHT 400, 500 AND 600 OPTICAL DIAGRAMS



THERMOSIGHT EQUIPMENT TABLE

	Thermosight 800	Thermosight 900	Thermosight GL	Thermosight HT	Thermosight 900 Plus	Thermosight GL Plus	Thermosight 900 Plus Set	Thermosight GL Plus Set
MAX, MIN, AVG, DIF, HOLD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USB interface	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Data storage	20 values	-	-	750 values	250 values	250 values	250 values	250 values
Adjustable storage interval	Yes	-	-	Yes	Yes	Yes	Yes	Yes
Acoustic HI-alarm funct., adjustable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Acoustic LO-alarm funct., adjustable	Yes	-	-	-	Yes	-	Yes	-
Analogue output 1 mV/°C	-	-	-	Yes	Yes	Yes	Yes	Yes
Connection for a recharger	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Certificate of calibration	-	-	-	-	-	-	Yes	Yes
Software	-	Accessories	Accessories	Accessories	Accessories	Accessories	incl.	incl.
USB cable	-	Accessories	Accessories	Accessories	Accessories	Accessories	incl.	incl.
Analogue cable	-	Accessories	Accessories	Accessories	Accessories	Accessories	incl.	incl.
Thermometer with probe	Accessories	Accessories	Accessories	Accessories	Accessories	Accessories	incl.	incl.
Close-focus lens	-	Accessories	Accessories	-	Accessories	Accessories	Accessories	Accessories
Holster	Accessories	Accessories	Accessories	Accessories	Accessories	Accessories	Accessories	Accessories

"Yes": with the instrument. "incl.": inclusive. "-": not with the instrument

THERMOSIGHT 800/900, GL, HT AND CLOSE FOCUS OPTICAL DIAGRAMS

