

Convir Thermosight Series High Performance Handheld Infrared Thermometer

- ◆ Temperature ranges to 1800°C
- ◆ Adjustable emissivity from 0.20 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

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	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	0.95	0.2 to 1.0	0.2 to 1.0	0.2 to 1.0
Display resolution	0.1 K at AVG	0.1 K at AVG	0.1 K at AVG	0.1 K
Data storage	-	-	-	20 Measuring values

Technical Data	Thermosight 900	Thermosight 900 Plus	Thermosight GL	Thermosight GL Plus
Temperature range	-32°C to 900 °C	-32°C to 900 °C	150°C to 1800 °C	150°C to 1800 °C
Spectral range	8 to 14 µm	8 to 14 µm	5.14 µm	5.14 µm
Distance:Spot size	50 : 1	50 : 1	50 : 1	50 : 1
Accuracy	1 %	1 %	1 %	1 %
Repeatability	0.5 %	0.5 %	0.5 %	0.5 %
Response time t ₉₀	150 ms	150 ms	150 ms	150 ms
Emissivity	0.2 to 1.0	0.2 to 1.0	0.2 to 1.0	0.2 to 1.0
Display resolution	0.1 K	0.1 K	0.1 K	0.1 K
Data storage	-	250 Measuring values	-	250 Measuring values

	Thermosight 900	Thermosight GL	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
RS 232-interface, 9600 Baud	Yes	Yes	Yes	Yes	Yes	Yes
Data storage - 250 values	-	-	Yes	Yes	Yes	Yes
Adjustable storage interval	-	-	Yes	Yes	Yes	Yes
Acoustic HI-alarm funct., adjustable	Yes	Yes	Yes	Yes	Yes	Yes
Acoustic LO-alarm funct., adjustable	-	-	Yes	-	Yes	-
Analogue output 1 mV/°C	-	-	yes	Yes	Yes	Yes
Connection for a recharger	Yes	Yes	Yes	Yes	Yes	Yes
Certificate of calibration	-	-	-	-	Yes	Yes
Software	Accessories	Accessories	Accessories	Accessories	incl.	incl.
RS 232-cable	Accessories	Accessories	Accessories	Accessories	incl.	incl.
Analogue cable	Accessories	Accessories	Accessories	Accessories	incl.	incl.
Thermometer with probe	Accessories	Accessories	Accessories	Accessories	incl.	incl.
Close-up lens	Accessories	Accessories	Accessories	Accessories	Accessories	Accessories
Holster	Accessories	Accessories	Accessories	Accessories	Accessories	Accessories

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

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