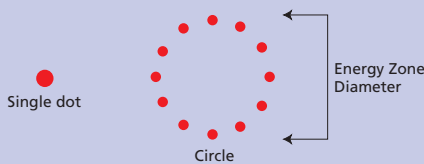


Convir OS520 Series High Temperature Handheld Infrared Thermometer With Optional Sighting Scope

- ◆ Models Available with Temperature Ranges to 2482°C (4500°F)
- ◆ Built-in Laser Sighting Dot/Circle Switchable
- ◆ Emissivity Adjustable from 0.1 to 1.00 in 0.01 steps
- ◆ Backlit LCD Display
- ◆ Dual Digital Display Indicates Current with Min, Max, Average or Difference Temperatures
- ◆ °C/°F Selectable
- ◆ 1 mV/Degree Analogue Output Standard
- ◆ RS-232 Output
- ◆ Ambient Target Temperature Compensation
- ◆ Audible and Visible Alarm
- ◆ Integral Tripod Mount
- ◆ Electronic Trigger Lock
- ◆ Last Temperature Recall
- ◆ Data Storage up to 100 Temperature Points

With a combination of powerful features, the portable and rugged high temperature Convir OS520 series infrared thermometers offer solutions for many non-contact temperature measurement applications. Emissivity adjustable in 0.01 increments, provides versatility when measuring a variety of surfaces. A custom backlit LCD display provides dual digital display of both current, max, min, difference or average temperatures simultaneously. This provides the user with more information at a glance. It also has standard features like high and low audible and visual alarms, 1 mV/Deg analog output, RS-232 output and temperature data storage.

Laser sight configurations



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GENERAL SPECIFICATIONS

Model Number	OS523-1, -2, -3	OS524
Accuracy	±1% rdg or 1.7°C whichever is greater	±1% rdg or 1.7°C whichever is greater
Repeatability	±(1% rdg + 1 digit)	±(1% rdg + 1 digit)
Range	-18 to 1370°C, 0 to 2500°F	538 to 2482°C, 1000 to 4500°F
Resolution	1°C or 1°F	1°C or 1°F
Emissivity	0.10 to 1.00	0.10 to 1.00
Response Time	250 ms	250 ms
Backlit Dual LCD Display	std	std
Distance to Spot Size Ratio	See Figure	110:1
Spectral Range	8 to 14 µm	2 to 2.5 µm
Differential Temperature	std	std
Min/Max Temperature	std	std
Average Temperature	std	std
High Alarm	std	std
Low Alarm	std	std
Audible Buzzer & Indicator	std	std
Ambient Target Temp Comp.	std	std
Analogue Output	1 mV/deg	0.5 mV/deg
RS-232 Output	std	std
Data Logging Software	std	std
Printer Output	std	std
Data Storage	std	std
Sighting	switchable laser dot/circle (-3 dot) plus optional sighting scope	switchable laser dot/circle plus optional sighting scope
Trigger Lock	std	std
Last Temperature Recall	std	std
Operating Ambient	0 to 50°C (32 to 122 °F)	0 to 50°C (32 to 122 °F)
Power	4 'AA' batteries or ac adaptor	4 'AA' batteries or ac adaptor
Battery Life	60 hr, alkaline; 10 days, lithium	60 hr, alkaline; 10 days, lithium
Tripod Mount	1/4" -20 UNC	1/4" -20 UNC

