

Non-Contact Infrared-to-Analog Converter Module

Converts IR Energy to a Thermocouple Signal!

Unit Features Miniature, Portable Design and Built-In Circle/Dot Laser Sighting!

PATENTED
Covered by U.S. and International patents and pending applications.



OMEGASCOPE®
OSM101
\$115



OSM101, \$115, shown actual size.

- ✓ Works Directly with All Type K Thermocouple Meters
- ✓ Non-Contact IR Temperature Measurement
- ✓ Pocket-Size Portability and Battery Powered
- ✓ -18 to 538°C (0 to 1000°F) Range
- ✓ Built-In Patented Laser Dot/Circle Sighting
- ✓ Adjustable Emissivity 0.1 to 1.0
- ✓ Low Battery Indicator

The low-cost, battery-powered OSM101 infrared-to-analog converter module is a portable, miniature design unit that converts the non-contact infrared energy to a compensated Type K thermocouple output which can go to any thermocouple metering device for display or recording. The unit has a unique built-in laser circle/dot sighting for ease of aiming.

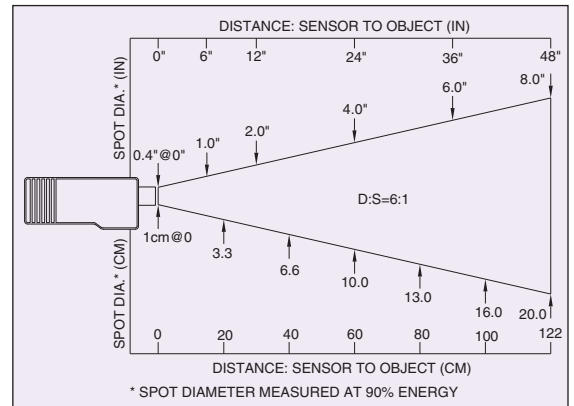
Specifications

Temp Range: -18 to 538°C (0 to 1000°F)
Accuracy: ±3% of reading or 2.2°C (4°F)
Repeatability: ±1% of reading
Spectral Response: 5 to 14 microns
Optical Field of View: 6:1 (distance/spot size)
Open Aperture: 10 mm (0.4")
Response Time: 150 msec (0 to 63% of final value)
Emissivity: Adjustable from 0.1 to 1.00
Analog Output: Type K thermocouple (compensated)

Output Connection:

Universal Type K female accepts both miniature and standard male Type K connectors
Power: 3.5V lithium battery, ("AA"), 1900 mAh, (included)
Low Power Indicator: Flashing LED
Ambient Operating Conditions: 0 to 50°C (32 to 122°F); less than 95% RH (non-condensing)
Dimensions: 116 L x 47 W x 27 mm D (4.6 x 1.84 x 1.07")
Weight: 100 g (0.22 lb)
Sighting Type: Built-in laser (circle/dot combined)
Laser Wavelength (Color): 630-670 nm (red)
Max Laser Power: Less than 1 mW
Safety Classification: Class 2
Beam Diameter: 5 mm (0.2")
Beam Divergence: Less than 2 mrad
Laser Power Switch: Momentary
Laser Power Indicator: Flashing red LED

Each unit comes complete with IR-to-Analog converter module, Type K retractable cable, lithium battery, and user's manual with emissivity chart.



AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)				
Model No.	Price	Thermocouple Output Type	Temperature Range	
			°C	°F
OSM101	\$115	Type K	-18 to 538	0 to 1000

Accessories

Model No.	Price	Description
OM-NOMAD-BATT	\$12	3.6V "AA" lithium replacement battery
SC-HH500	12	Soft carrying case (black)

Comes complete with IR-to-Analog converter module, Type K retractable cable, lithium battery, and user's manual with emissivity chart.

Ordering Examples: OSM101, infrared pyrometer to Type K thermocouple converter, SC-HH500, soft carrying case and OM-NOMAD-BATT, spare battery, \$115 + 12 + 12 = \$139.