

OS1550/C

Industrial Infrared Temperature Transmitters

Model OS1551-A

- Wide Field of View
- Temperature Range 32 to 392°F (0 to 200°C) or 392 to 1022°F (200 to 500°C)
- Spectral Response 8 - 14 Microns

Model OS1552-A/C

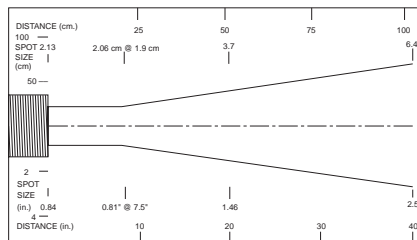
- Narrow Field of View
- Temperature Range 1000 to 1500°F (538 to 816°C) or 1500 to 2500°F (816 to 1371°C)
- Spectral Response 0.91 to 1.05 Microns

Common Features

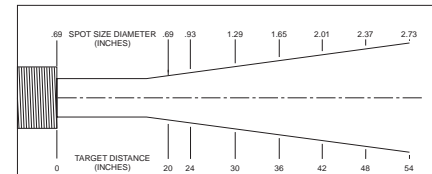
- Non-Contact Measurement
- 4 - 20 mA Linear Output
- Fast 10 mSec Time Constant
- Adjustable Emissivity



OS1551-A — Field of View Chart



OS1552-A — Field of View Chart



Features

Temperature Range:
 OS1551-A: 32 to 1022°F (0 to 550°C)
 OS1552-A: 1000 to 2500°F (538 to 1371°C)
Accuracy: ±1.0% reading or 3°F (1.7°C) whichever is greater
Spectral Response:
 OS1551-A: 8 to 14 microns
 OS1552-A: 0.91 to 1.05 microns
Repeatability: ±1°C
Time Constant: 10 mSec (0 to 63.2%)
Output: 4 - 20 mA

Power: 18 - 40 Vdc, 100 mA regulated
Loop Resistance: 0 to 1100 Ohms @ 40 Vdc
Emissivity: 0.05 - 0.99, adjustable in 0.01 steps
Housing: anodized aluminum
Ambient Operating Temperature: 32 - 122°F (0 - 50°C)
Dimensions: 2.7" Dia x 8" L (69 x 203 mm)
Weight: 1.5 lbs (680g)
Standard Cable: 15 Ft. (4.6 m), shielded, two-wire

Ordering Information

Model	Description
OS1550-MB/C	Mounting Bracket
OS1550-MN/C	Mounting Nut
OS1550-AP/C	Air Purge Collar
OS1550-WC/C	Water Cooling Jacket
OS1550-LS/C	Laser Sight Accessory

Range Specifications

Model	Temperature Range	Spectral Response
OS1551-A-200/C	0 to 200°C (32 to 392°F)	8 to 14 microns
OS1551-A-550/C	200 to 550°C (392 to 1022°F)	8 to 14 microns
OS1552-A-816/C	538 to 816°C (1000 to 1500°F)	0.91 to 1.05 microns
OS1552-A-1371/C	816 to 1371°C (1500 to 2500°F)	0.91 to 1.05 microns

1. For spot size, see Field of View chart.