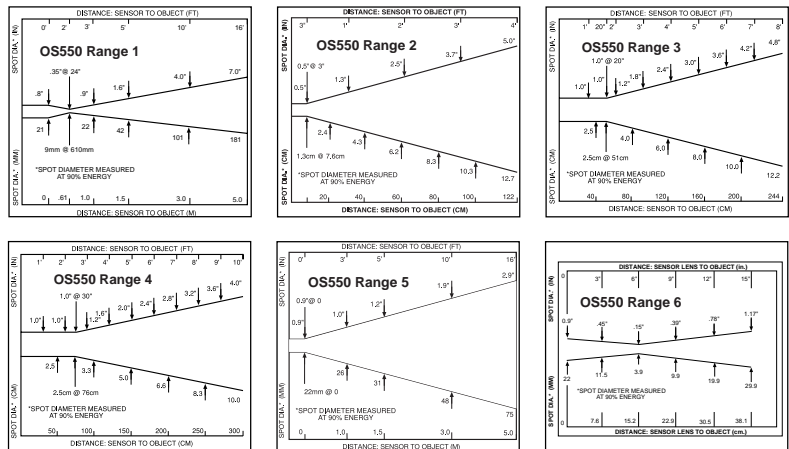
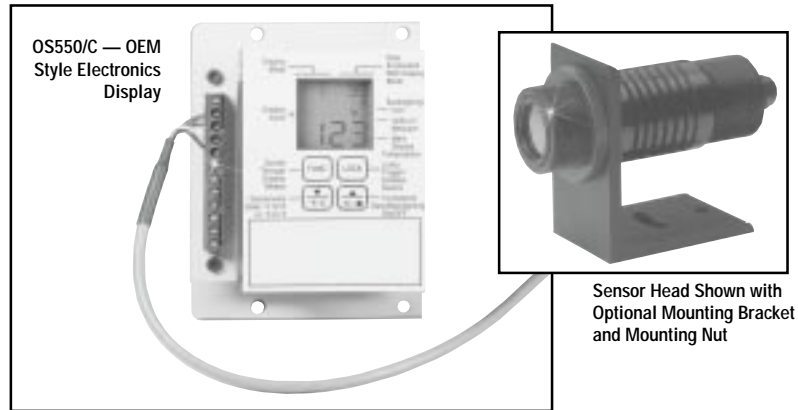


OS550-BB/C Industrial Infrared Thermometer Series

- Complete OEM System
- Accuracy $\pm 1\%$ of Reading
- Models with Temperature Ranges Measuring Up to 1600°F (870°C)
- Emissivity Adjustable from 0.1 to 1.00 in 0.01 Steps
- Current, Voltage or MilliVolt Output
- Laser Sight (Optional)
- Dual Digital Display Indicates Current with Min, Max, Average or Difference Temperatures on Most Models
- °C/°F Keypad Selectable
- RS-232 Communications



Specifications

Accuracy: $\pm 1\%$ of reading @ 25°C ambient or 3°F, whichever is greater.
Repeatability: $\pm 1\%$ rdg ± 1 digit
Spectral Response: 8-14 microns
Emissivity Range: 0.10 to 0.99
Field of View (FOV): See Diagrams
Display: Backlit LCD
Transmitter Outputs: 1 mV/degree, 0-5 Vdc, or 4-20 mA
Power: 7-24 Vdc @ 80 mA
Environmental Ratings: NEMA-4 water-tight and dust-tight for sensing head
Ambient Operating Range: sensing head, 0 to 185°F

(-18 to 85°C) with OS550-WC;
 (0 to 50°C) without OS550-WC electronics 32 to 122°F (0 to 50°C)
RS-232: Standard on OS552/C, OS553/C
Connection: 4.5 m (15 Ft.) Head and Power Cable Included
Dimensions:
 Sensing Head: 10.9 x 4.1 cm (4.30 x 1.63"), 1-1/2-20 thread
 Electronics: 13.3 x 9.1 cm (5.25 x 3.62")
Weight:
 Sensing Head: 0.45 kg (12 oz)
 Electronics Mounted in NEMA-4 Enclosure: 1.2 kg (43.2 oz)

Optical Table

| Optical Range Code (FOV) | Field of View Spot Size |
|--------------------------|-------------------------|
| - 1 | 0.35" at 24" |
| - 2 | 0.5" at 3" |
| - 3 | 1" at 20" |
| - 4 | 1" at 30" |
| - 5 | 1" at 60" |
| - 6 | 0.15" at 6" |

Accessories

| Model | Description |
|---------------|--|
| OS550-AP-BB/C | Air Purge Collar |
| OS550-WC-BB/C | Air/Water Cooling Jacket |
| OS550-MF-BB/C | Mounting Frame |
| OS550-MB-BB/C | Right-angle Mounting Bracket |
| OS550-MN-BB/C | Mounting Nut |
| OS550-LS-BB/C | Sighting Viewer (laser) (not shown) ¹ |
| PSU24B-BB/C | 24 Vdc Power Supply |
| TX4-100-BB/C | Power/Output Extension Wire (100Ft.) |

1. One unit suitable for aligning many heads.

Specifications and Ordering Information

| Model | Output | Temperature Range |
|-------------------|-----------|-------------------------------|
| OS551-MV-(-)-BB/C | 1 mV/deg. | 0 to +750°F (-18 to +400°C) |
| OS551-MA-(-)-BB/C | 4-20 mA | 0 to +750°F (-18 to +400°C) |
| OS551-V1-(-)-BB/C | 0-5 Vdc | 0 to +750°F (-18 to +400°C) |
| OS552-MV-(-)-BB/C | 1 mV/deg. | 0 to +1000°F (-18 to + 540°C) |
| OS552-MA-(-)-BB/C | 4-20 mA | 0 to +1000°F (-18 to + 540°C) |
| OS552-V1-(-)-BB/C | 0-5 Vdc | 0 to +1000°F (-18 to + 540°C) |
| OS553-MV-(-)-BB/C | 1 mV/deg. | 0 to +1600°F (-18 to +870°C) |
| OS553-MA-(-)-BB/C | 4-20 mA | 0 to +1600°F (-18 to +870°C) |
| OS553-V1-(-)-BB/C | 0-5 Vdc | 0 to +1600°F (-18 to +870°C) |

1. Specify optical range code from Optical Table.