

Economical Professional Infrared Thermometer

OS423 Series



- ✓ **Measurement Range:**
OS423-LS: -60 to 860°C (-76 to 1580°F)
OS423HT-LS: -60 to 1000°C (-76 to 1832°F)
- ✓ **Adjustable Emissivity**
- ✓ **30:1 Field of View**
- ✓ **Type K Thermocouple Input**
- ✓ **Backlit Display with Switch**
- ✓ **Laser Circle Sighting**
- ✓ **LCD Error Messages**
- ✓ **Modes: AVG, DIF, HI/LO ALARM, MAX/MIN, ALARM**
- ✓ **White LED Light**
- ✓ **°C/°F Selectable**

The OS423 series are fully functional infrared non-contact temperature measuring devices. Offered at an economical price, the OS423 series offers laser sighting, several mathematical modes, and adjustable emissivity. Long battery life, (typical 180 hrs without laser or backlight), is obtained from 2 "AAA" batteries (included) along with automatic shut-off. The 8-14 μm wavelength sensitivity rejects spurious reflections from local lighting.

Specifications

Temperature Range:

OS423-LS: -60 to 860°C (-76 to 1580°F)

OS423HT-LS: -60 to 1000°C (-76 to 1832°F)

Thermocouple Range: -64 to 1400°C (-83 to 1999°F)

Accuracy: ±1°C (±1.8°F)
Target Temp: 15 to 35°C (59 to 95°F)
Ambient Temp: 25°C (77°F)

Accuracy: ±2% of reading or 2°C (4°F) whichever is greater

Target Temp: >35 to 860°C (91 to 1580°F)

Ambient Temp: 23°C (73°F)

Thermocouple Accuracy: ±1% of reading or 1°C (1.8°F) whichever is greater (test under T_{amb} = 23 ±6°C)



SPHT-K-6 6" Type K surface probe.



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

Operating Range: 0 to 50°C (32 to 122°F)

Emissivity Range: 0.95 default; adjustable 0.1 to 1 step 0.01

Resolution (-9.9 to 199.9°): 0.1°C (0.1°F)

Response Time 90%: 1 sec

Distance to Spot Ratio: 30:1

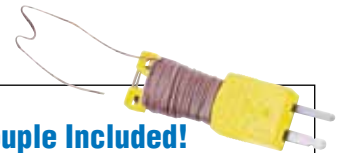
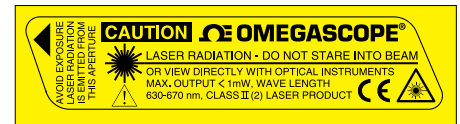
Power: 2 "AAA" alkaline batteries (included)

Battery Life: Typical 180 minute, 140 hours continuous use (alkaline, without laser or backlight)

Dimensions: 47.0 D x 154.9 W x 193.1 mm L (1.8 x 6.0 x 7.6")

Weight: 344.8 g (12.16 oz) including batteries

CAUTION! – This product is not intended for medical use or use on humans



Free Thermocouple Included!

OS423 models include a free 1 m (40") Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy. Order a Spare! Model No. SC-GG-K-30-36

To Order

| Model No. | Description |
|------------|---|
| OS423-LS | Economical professional 30:1 IR thermometer |
| OS423HT-LS | Extra high temperature IR thermometer |
| SPHT-K-6 | Type K, 152 mm (6") surface probe |

Comes complete with hard carrying case, 2 "AAA" alkaline batteries, Type K thermocouple and operator's manual.

Ordering Example: OS423-LS, infrared thermometer. OCW-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years.