

Professional Infrared Thermometer with 50:1 Field of View and Magnetic Mount

OS425 Series



- ✓ **Measurement Range:**
OS425-LS: -60 to 1000°C (-76 to 1832°F)
OS425HT-LS: -60 to 1500°C (-76 to 2732°F)
- ✓ **Magnetic Swivel Mount**
- ✓ **50:1 Field of View**
- ✓ **Type K Thermocouple Input**
- ✓ **Adjustable Emissivity**
- ✓ **Backlit Display Built-In**
- ✓ **Laser Circle Sighting**
- ✓ **LCD Error Messages**
- ✓ **Modes: AVG, DIF, HI/LO ALARM, MAX/MIN, ALARM**
- ✓ **White LED Light**
- ✓ **°C/°F Selectable**

The OS425 series are fully functional infrared non-contact temperature measuring devices. Along with a magnetic mount, 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 along with automatic shut-off. The 50:1 field of view measures small and distant targets. Display backlight enables night and low light viewing.

Specifications

Temperature Range:

OS425-LS: -60 to 1000°C (-76 to 1832°F)

OS425HT-LS: -60 to 1500°C (-76 to 2732°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 1000°C

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

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)



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

CAUTION OMEGASCOPE® LASER RADIATION - DO NOT STARE INTO BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS
MAX. OUTPUT <1mW, WAVE LENGTH 630-670 nm, CLASS II (2) LASER PRODUCT



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.

Response Time 90%: 1 sec

Distance to Spot Ratio: 50:1

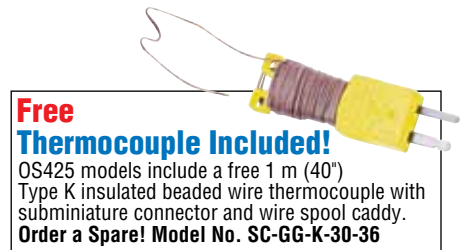
Power: 2 "AAA" alkaline batteries (included)

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

Dimensions:

47.0 D x 197.0 W x 203.3 mm L (1.8 x 7.7 x 8.0")

Weight: 386.1 g (13.62 oz) including batteries



Free Thermocouple Included!

OS425 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
OS425-LS	Professional 50:1 IR thermometer with magnetic mount
OS425HT-LS	Extra high temperature IR thermometer
SPHT-K-6	6" Type K surface probe

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

Ordering Examples: OS425-LS, infrared thermometer. OCV-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years.