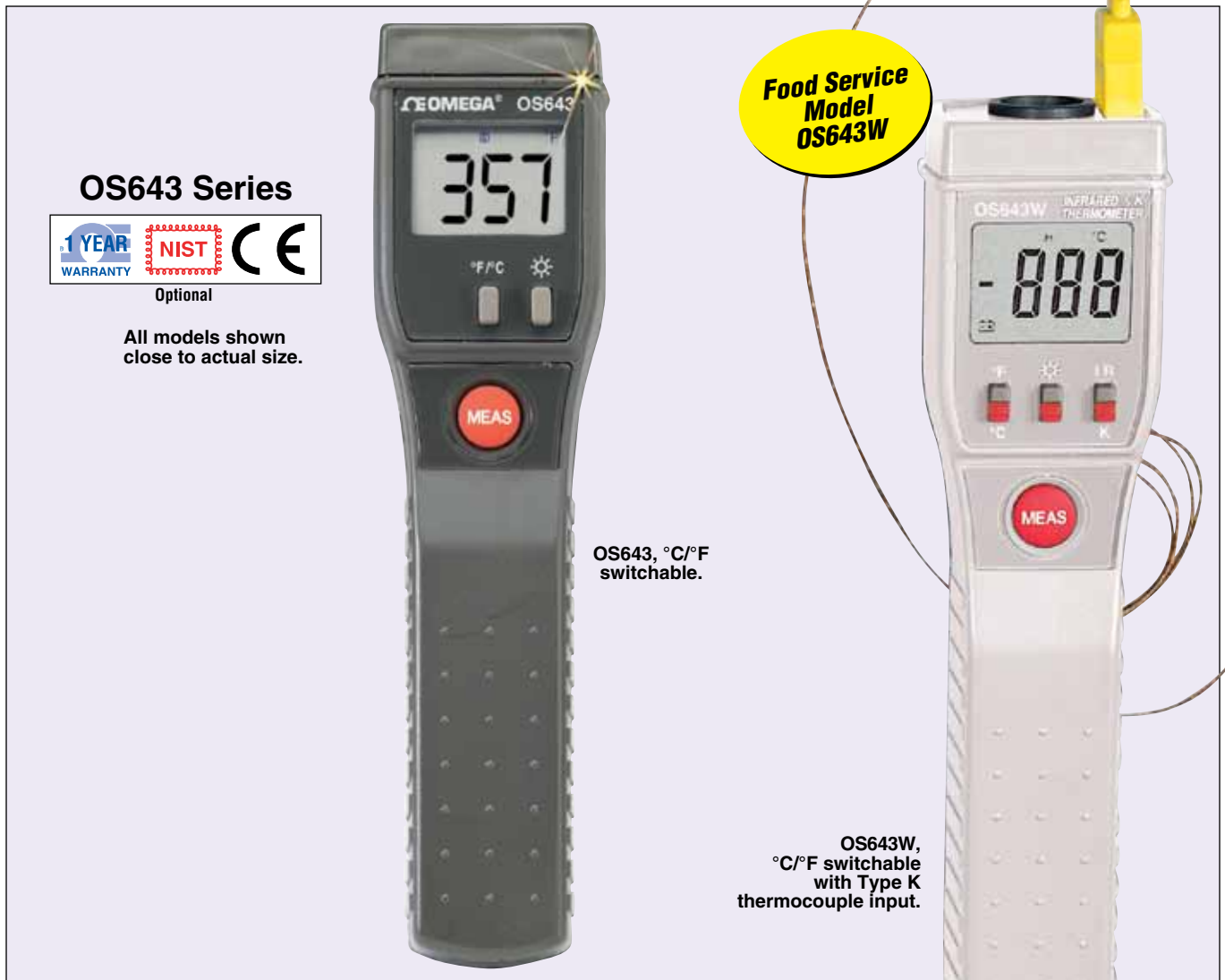


Stick Type Infrared Pyrometers

Combination! Contact and Non-Contact (IR) Food Service Model with Type K Input



OS643 Series



Optional

All models shown close to actual size.

OS643, °C/°F switchable.

OS643W, °C/°F switchable with Type K thermocouple input.

OS643

°C/°F Switchable

Detection Element: Thermopile

Sighting: Laser marker 1 mW

Backlit LCD Display

Analog Output: 1 mV/°C/°F

Emissivity: 0.95, accuracy ± 3%

Temperature Range:
0 to 260°C (0 to 500°F)

OS643W

Switchable from IR to T/C

Temperature Range:

IR: -18 to 260°C (0 to 500°F)

T/C: -50 to 1093°C (-58 to 2000°F)

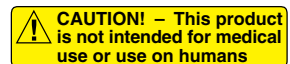
Accuracy: IR: ± 3% rdg

T/C: ± 0.3% rdg + 2°F

Analog Output: 1 mV/°C/°F

Emissivity: 0.95

Detection Element: Thermopile



Accessories

| Model No. | Description |
|-------------|---|
| MN2400 | Extra "AAA" alkaline battery |
| OS-643-NIST | NIST-traceable calibration certificate (no data points) |
| CAL-3-IR | NIST-traceable calibration certificate (data points) |
| STICK-CABLE | Analog output cable |

Comes complete with soft vinyl carrying case, 4 "AAA" alkaline batteries and operator's manual. OS643W comes with beaded wire Type K thermocouple.

High Temperature Infrared Pyrometers (-4°F to 752°F)

Some with Adjustable Emissivity (0.10 to 1.00)



OS643E °C/°F switchable.

All models shown close to actual size.

OS643E Infrared Thermometer °C/°F Switchable
Detection Element: Thermopile
Sighting: Laser marker 1mW
Backlit LCD Display
Emissivity: Adjustable 0.10 to 1.00
Temperature Range: -20°C to 400°C (-4°F to 752°F)

The OMEGA® OS640 series IR's without adjustable emissivity have an analog output that can be interfaced to recorders/data loggers such as the RD101A recorder.



RD101B shown smaller than actual size.

Common Specifications

Basic Accuracy:
 °C: ±3% or ±3°C (whichever is greater)
 °F: ±3% or ±5.5°F (whichever is greater)
Sensor: Thermopile
Resolution: 1°
Dimensions: 170 H x 44 W X 40 mm D (6.7 x 1.8 X 1.6")
Weight: 160 g (5.5 oz)

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

CAUTION
 LASER RADIATION
 DO NOT STARE INTO BEAM
 WAVELENGTH 600-700 nm
 POWER <1mW-CLASS II
 LASER PRODUCT, COMPLIES WITH 21 CFR CHAPTER 1, SUBCHAPTER J
 LASER RADIATION - CLASS 2 LASER PRODUCT, CONFORMS TO IEC2011:1993
 OMEGA ENGINEERING, INC., STAMFORD, CT 06907 U.S.A. MADE IN TAIWAN

Selection Guide

| To Order | | | |
|-----------------------------|----------|-------------------------|-------------------------------|
| Model No. | OS643 | OS643E | OS643W |
| Backlit LCD | ✓ | ✓ | ✓ |
| Resolution (counts) | 1999 | 1999 | 1999 |
| Laser guide (5mW) | | | |
| Emissivity (E) | 0.95 | Adjustable 0.10 to 1.00 | 0.95 |
| Range C° | 0 to 260 | -20 to 400 | IR: 0 to 260; TC: -50 to 1300 |
| Range F° | 0 to 500 | -4 to 752 | IR: 0 to 500; TC: -58 to 2000 |
| Auto hold | ✓ | ✓ | ✓ |
| Auto power-off | ✓ | ✓ | ✓ |
| Analog output 1 mV/°C or °F | ✓ | | ✓ |

Comes complete with soft vinyl carrying case, 4 "AAA" alkaline batteries and operator's manual.
Ordering Example: OS643E, infrared pyrometer °C/°F switchable.