

Stick Type Infrared Pyrometers

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

OS643 Series
Starts at
\$65



All models shown close to actual size.



OS643, °C/°F switchable, \$65.

Food Service Model OS643W



OS643W, °C/°F switchable with Type K thermocouple input, \$110.

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



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

Accessories

To Order (Specify Model Number)

Model No.	Price	Description
MN2400	\$3	Extra "AAA" alkaline battery
OS-643-NIST	90	NIST-traceable calibration certificate (no data points)
CAL-3-IR	125	NIST-traceable calibration certificate (data points)
STICK-CABLE	9	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, \$99.

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. (See Section S for additional information).



RD101B, \$2330, shown smaller than actual size, see section S.

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 IEC60825-1:1993
 OMEGA ENGINEERING, INC., STAMFORD, CT 06907 U.S.A. MADE IN TAIWAN

Selection Guide

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)			
Model No.	OS643	OS643E	OS643W
Price	\$65	\$99	\$110
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, \$99.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
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www.omega.nl
Amstelveen, NL
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• Temperature

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters