

Stick Type Infrared Pyrometers

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



OS643 Series Starts at **\$85**



All models shown close to actual size.

OS643, °C/°F switchable, \$85.

OS643-LS, C/°F switchable with laser sight, \$115.

Food Service Model OS643W

OS643W, °C/°F switchable with Type K thermocouple input, \$135.

OS643/OS643-LS °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)

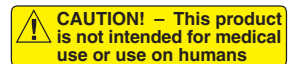
Accuracy: IR: ± 3% rdg

T/C: ± 0.3% rdg + 2°F

Analog Output: 1 mV/°C/°F

Emissivity: 0.95

Detection Element: Thermopile



Infrared 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


Come 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, \$125.



OS643E-LS °C/°F
switchable with laser
sight, \$145.



RD101B, \$1465, shown smaller
than actual size, see section S.

All models shown close to actual size.

OS643E / OS643E-LS 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)

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 650-700 nm
 POWER <1mW-CLASS II
 LASER PRODUCT COMPLIES WITH 21 CFR CHAPTER 1, SUBCHAPTER 2.
 LASER RADIATION - CLASS 2 LASER PRODUCT. CONFORMS TO IEC60825-1:2007
 OMEGA ENGINEERING, INC. STAMFORD, CT 06907 U.S.A. MADE IN TAIWAN

Infrared Thermometers Selection Guide

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	OS643	OS643-LS	OS643E	OS643E-LS	OS643W
Price	\$85	\$115	\$125	\$145	\$135
Backlit LCD	✓	✓	✓	✓	✓
Resolution (counts)	1999	1999	1999	1999	1999
Laser guide (5mW)		✓		✓	
Emissivity (E)	0.95	0.95	Adjustable 0.10 to 1.00	Adjustable 0.10 to 1.00	0.95
Range C°	0 to 260	0 to 260	-20 to 400	-20 to 400	IR: 0 to 260; TC: -50 to 1300
Range F°	0 to 500	0 to 500	-4 to 752	-4 to 752	IR: 0 to 500; TC: -58 to 2000
Auto hold	✓	✓	✓	✓	✓
Auto power-off	✓	✓	✓	✓	✓
Analog output 1 mV/°C or °F	✓	✓			✓

Comes with soft vinyl carrying case, 4 "AAA" alkaline batteries and operator's manual.

Ordering Example: OS643-E-LS, infrared pyrometer °C/°F switchable with laser light, CAL-3-IR, NIST-traceable calibration certificate, and STICK-CABLE, \$145 + 125 + 9 = \$279.



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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

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• Data Acquisition

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• Pressure, Strain and Force

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• 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