

Temperature Data Logger with 607 mm (24") Stainless Steel Flexible Probe with Optional Thermal Shield Part of the NOMAD® Family

OM-CP-HITEMP150-PT

Starts at

\$499



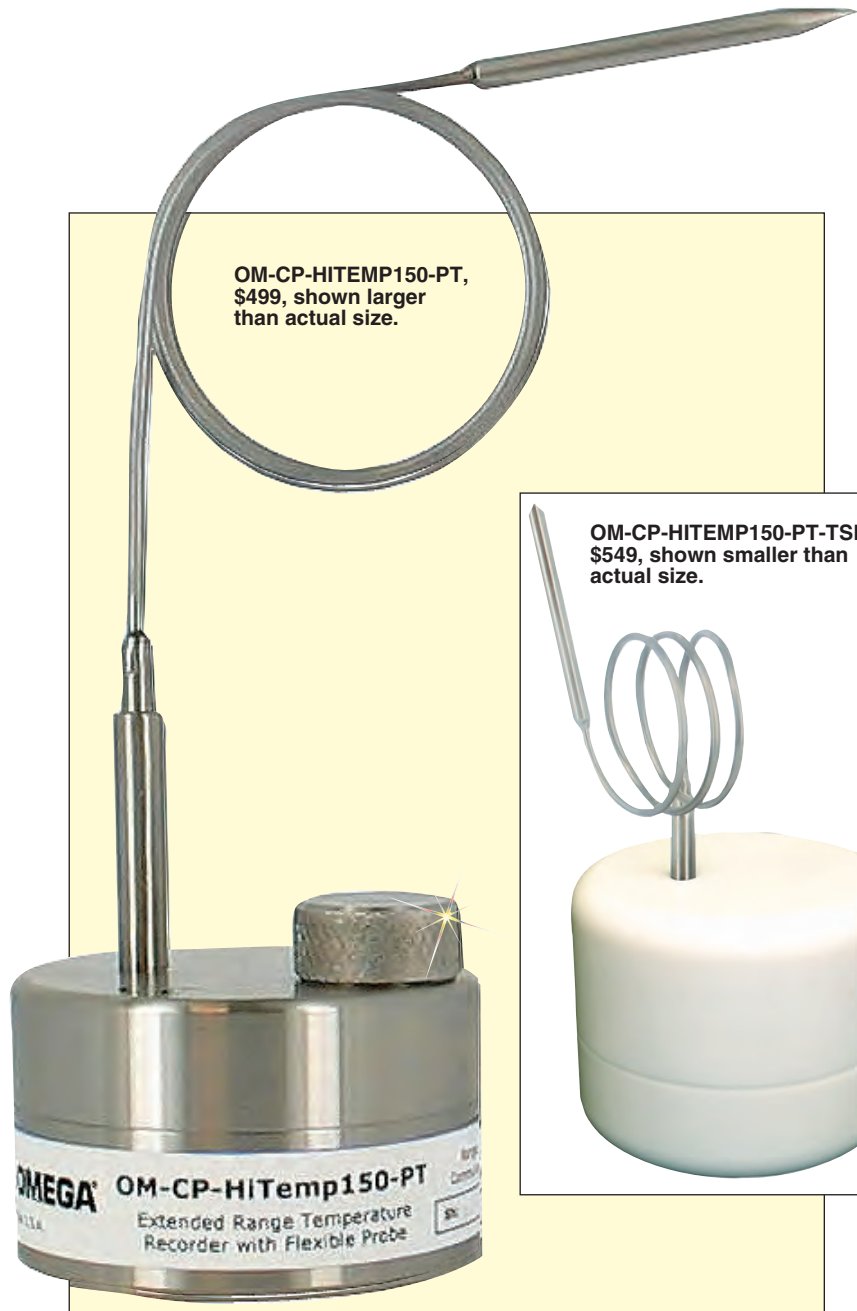
Optional†

- ✓ 607 mm (24") Flexible Probe
- ✓ ¼" Bending Radius
- ✓ -200 to 250°C (328 to 482°F) Measurement Range (OM-CP-HITEMP150-PT-TSK)
- ✓ High Accuracy
- ✓ Reusable
- ✓ Submersible
- ✓ Optional NIST Traceable Calibration
- ✓ Operates Up to 150°C (302°F) (OM-CP-HITEMP150-PT)

The OM-CP-HITEMP150-PT is a submersible, temperature data logger that can operate up to 150°C (302°F) and has a 607 mm (24") flexible, stainless steel probe. The probe is durable and can be spiraled, bent or angled in any direction, making it easy to log temperatures within bottles, vials or other hard to reach places.

The OM-CP-HITEMP150-PT can measure and record temperatures between -200 and 260°C (-328 to 500°F). Users can select reading rate options from 1 reading every second to one every 12 hours. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged.

The OM-CP-HITEMP150-PT-TSK is a kit that includes an OM-CP-HITEMP150-PT data logger enclosed in a thermal shield. This durable system can withstand temperatures up to 250°C (482°F). The thermal shield can be easily removed from the OM-CP-HITEMP150-PT-TSK, so it may be used as a standalone data logger also. Installing the data logger back into the thermal shield is simple, just open the enclosure, thread the probe through the end cap and fasten the thermal barrier together.



OM-CP-HITEMP150-PT, \$499, shown larger than actual size.

OM-CP-HITEMP150-PT-TSK, \$549, shown smaller than actual size.

The OM-CP-HITEMP150-PT-TSK is submersible and has a 24" flexible, stainless steel probe. The probe is durable and can be spiraled, bent or angled in any direction, making it easy to log temperatures within bottles, vials or other hard to reach places.

These two devices can be started and stopped directly from a computer and their compact design allows them to fit almost anywhere.

Data retrieval is simple. Plug the device into an available USB port and our easy-to-use software does the rest. The software converts a PC into a real-time strip chart recorder. Data can be printed in graphical and tabular format or exported to a text or Microsoft Excel file.

† Refer to ordering chart on next page for NIST calibration ordering information.



-SPECIFICATIONS

OM-CP-HITEMP150-PT-TSK

Operating Environment:
-200 to 250°C (-328 to 482°F)
(time limited) 0 to 100% RH

Enclosure Rating: IP68

Dimensions: 53.4 x 66 mm dia.
(2.1 x 2.6")

Weight: 294.8 g (10.4 oz)

OM-CP-HITEMP150-PT (WITHOUT THERMAL SHIELD)

Temperature Sensor: 100Ω
Platinum RTD

Temperature Range:
-40 to 150°C (-40 to 302°F)

Temperature Resolution: 0.05°C

Calibrated Accuracy: ±0.5°C

Start Modes: Software programmable immediate start or delay start up to six months in advance.

Real Time Recording: May be used with PC to monitor and record data in real time

Memory: 32,767 readings

Reading Rate: One second up to once every 12 hours

Calibration: Digital calibration through software

Calibration Date: Automatically recorded within device

Battery Type: 3.9V high-temperature lithium battery (included); factory replaceable only

Battery Life: 1 year typical (1 minute reading rate @25°C)

Data Format: Date and time stamped °C, °F, K, °R

Time Accuracy:
±1 minute/month at 20°C
(RS-232 cable not in use)

Computer Interface: PC serial or USB (interface cable required); 2400 baud

Software: Windows XP SP3/Vista/7 (32-bit and 64-bit)

Operating Environment:
-40 to 150°C (-40 to 302°F),
0 to 95% RH non-condensing

Weight: 225 g (8 oz)

Material: 316 Stainless Steel

Dimensions:

Body: 28 x 45 mm dia.
(1.1 x 1.75")

Probe Tip: 3.2 OD x 38 mm
(0.125 OD x 1.5")

Flexible Probe Portion:
607 x 1.6 mm OD dia. (24 x 0.062")

OM-CP-HITEMP150-PT-TSK Data Logger with Thermal Shield

Ambient Temperature	Time in Air to Max Internal Temp (150°C / 302°F)	Time in Liquid to Max Internal Temp (150°C / 302°F)
-200°C (-328°F)	18 min	N/A
-180°C (-292°F)	19 min	N/A
-160°C (-256°F)	21 min	N/A
-140°C (-220°F)	24 min	N/A
-120°C (-184°F)	27 min	N/A
-100°C (-148°F)	32 min	N/A
-80°C (-112°F)	40 min	N/A
-60°C (-76°F)	55 min	25 min
-40 to 150°C (-40 to 302°F)	Indefinitely	Indefinitely
160°C (320°F)	75 min	34 min
170°C (338°F)	63 min	29 min
180°C (356°F)	55 min	26 min
190°C (356°F)	50 min	23 min
200°C (356°F)	45 min	21 min
210°C (356°F)	42 min	19 min
220°C (356°F)	39 min	18 min
230°C (446°F)	36 min	17 min
240°C (464°F)	34 min	16 min
250°C (482°F)	32 min	15 min

OM-CP-IFC200, \$119, Windows software displays data in graphical or tabular format.

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-HITEMP150-PT	\$499	Data logger with 607 mm (24") stainless steel flexible probe
OM-CP-HITEMP150-PT-CERT†	559	Data logger with 607 mm (24") stainless steel flexible probe and NIST certificate
OM-CP-HITEMP150-PT-TSK	549	Data logger with thermal shield
OM-CP-HITEMP150-PT-TSK-CERT†	609	Data logger with thermal shield and NIST certificate
OM-CP-IFC200	119	Windows software and 3.7 m (12') USB interface cable

Comes complete with 3.9V lithium battery. Operator's manual and USB interface cable are included with the OM-CP-IFC200 software/cable package (required for data logger operation, sold separately).

Ordering Example: OM-CP-HITEMP150-PT data logger with 607 mm (24") stainless steel flexible probe, \$499.



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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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• 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