Extended Range Temperature Data Logger with Flexible Probe
Part of the NOMAD® Family

OM-CP-HITEMP150-FP

MADE IN USA | NIST | 5 YEAR WARRANTY

**OM-CP-HITEMP150-FP,
shown smaller than
actual size.**

- ✔ **Extended Temperature Range**
- ✔ **Flexible Probe**
- ✔ **Silicone Rubber Enclosed Cable**
- ✔ **Reusable**
- ✔ **Programmable Start Time**
- ✔ **Real-Time Operation**
- ✔ **NIST Traceable**
- ✔ **Easy-To-Use Software**
- ✔ **Low Cost**

The OM-CP-HITEMP150-FP is a small, rugged, reusable temperature data logger specifically designed for deployment in harsh environments.
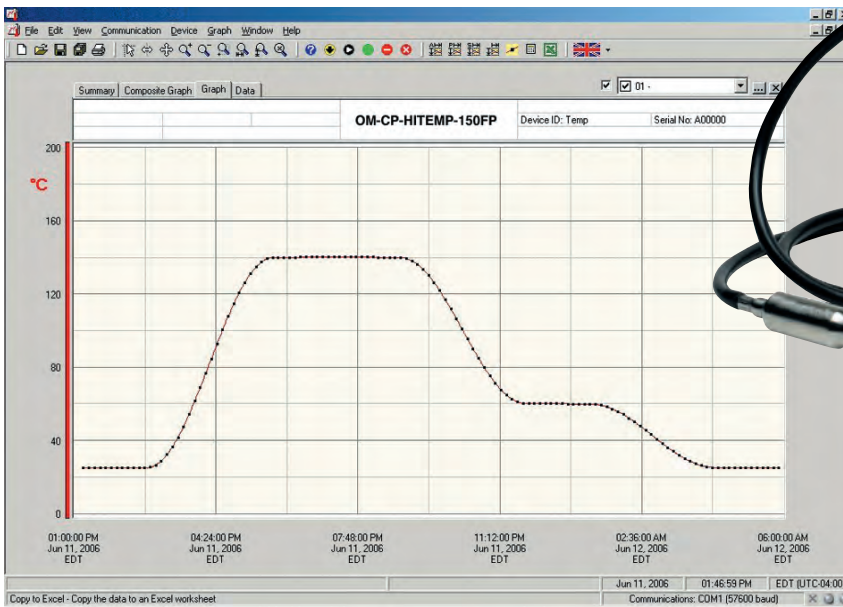
The OM-CP-HITEMP150-FP comes standard with a 0.6 m (24") flexible teflon enclosed cable, 101 mm (4") penetration style stainless steel probe, and 316 stainless steel body (other cable lengths available through special order).

With a measurement range of -40 to 260°C (-40 to 500°F), the OM-CP-HITEMP150-FP is perfect for use in autoclaves, medical and pharmaceutical labs, food preparation and processing plants and other applications involving extreme temperatures.

The OM-CP-HITEMP150-FP features an RTD temperature sensor, which allows for extremely fast response times and highly accurate readings. Reading rates are configurable from once every second to once every twelve hours. With a reading limit of 32,767 data points, the OM-CP-HITEMP150-FP is perfect for use in even the longest of processes. Its real time clock ensures that all data is time and date stamped, making it easy to track and analyze temperature changes. The logger can be set for an immediate start or for activation at a future date and time, allowing for simultaneous data recording via the deployment of multiple loggers. Its non-volatile solid state memory keeps written data intact, even if the battery, which is user changeable, becomes discharged.

One of the most powerful features of the OM-CP-HITEMP150-FP is the accompanying software. OMEGA's easy-to-use Windows based program features a variety of powerful tools, all of which work together to allow for the effortless creation and exportation of professionally formatted spreadsheets and customized graphs. Complex analyses, such as Mean Kinetic Temperature, Sterilization Units, and Pasteurization Units, can be performed with just one click of the mouse. In addition to the analysis of data, Omega's software is used for the digital calibration of the OM-CP-HITEMP150-FP.

Thanks to the software's easy calibration wizard, this task can be quickly performed by even the most novice of computer users. For those requiring an additional guarantee of accuracy, NIST calibration certificates are available.

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shown smaller than actual size**

**OM-CP-IFC200, Windows software
displays data in graphical or
tabular format.**

Specifications

Temperature Sensor:
100Ω Platinum RTD

Probe Temperature Range:
-40 to 260°C (-40 to 500°F)

Temperature Resolution:
0.05°C

Calibrated Accuracy: ±0.5°C
(Over 100°C span)

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 Interval: 1 second up to
once every 12 hours

Lethality Equations: Sterilization
unit and Pasteurization units are
available in the software with
a click of a button

Calibration: Digital calibration
through software

Calibration Date: Automatically
recorded within device

Power: 3.6 V high-temperature
lithium battery (included), factory
replacement only

Battery Life: 1 year typical
(1 min 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); 2,400 baud

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

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

Body Dimensions:
28 x 45 mm D (1.1 x 1.75")

Cable Dimensions*:
60 cm x 4 mm D (2' x .14")

Probe Handle Dimensions:
39 x 10 mm D (1.5 x 3/8")

Probe Dimensions:
102 x 4 mm D (4 x 0.1/8")

Material (Body and Probe):
316 SS

Material (Cable*): Teflon cable

Weight: 255 g (9 oz)

* Other cable lengths available upon request.

AVAILABLE FOR FAST DELIVERY!

To Order	*Visit omega.com/om-cp-hitemp150-fp for pricing and details*
Model No.	**Description**
OM-CP-HITEMP150-FP	Extended range temperature data logger with flexible probe
OM-CP-HITEMP150-FP-CERT	Extended range temperature data logger with flexible probe and NIST calibration certificate
OM-CP-IFC200	Windows software and 1.8 m (6') USB interface cable

*Comes complete with 3.6V lithium battery. Operator's manual and interface cable are included with the **OM-CP-IFC200** software/cable package (required for data logger operation, sold separately).*
***Ordering Example: OM-CP-HITEMP150-FP,** extended range temperature data logger and **OM-CP-IFC200,** Windows software with USB interface cable.*