

OM-CP-PH101 pH and Temperature Data Logger

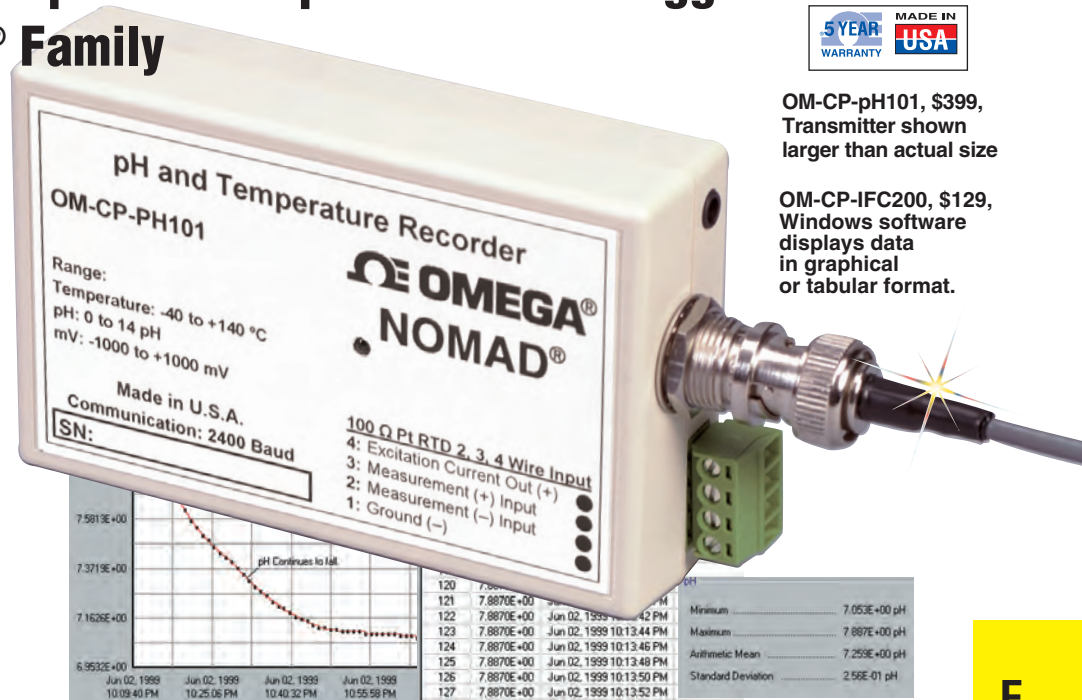
Part of the NOMAD® Family



\$399

Basic Unit

- ✓ Works with OMEGA® PHE-4200 Series of pH Probes
- ✓ 16-Bit Resolution
- ✓ Programmable Calibration/Start Time
- ✓ Miniature Size
- ✓ Memory Wrap Around
- ✓ User Calibration Through Software
- ✓ Real Time Operation
- ✓ Automatic Temperature Compensation



OM-CP-pH101, \$399, Transmitter shown larger than actual size

OM-CP-IFC200, \$129, Windows software displays data in graphical or tabular format.

The OM-CP-PH101 is a low cost, high resolution, miniature battery powered, stand-alone data logger used for automatically recording pH between 0.00 and 14.00 pH.

The OM-CP-PH101 uses a 16-bit ADC to achieve a resolution of 0.01pH. In addition, the OM-CP-PH101 will directly connect to many off-the-shelf pH electrodes. The user can easily calibrate to a specific electrode through our software. This all-in-one compact, portable, easy to use device will measure and record up to 8,192 pH and 8,192 temperature measurements. The OM-CP-PH101 is a major leap forward in both size and performance. Its real time clock ensures that all data is time and date stamped. The storage medium is non-volatile solid state memory, providing maximum data security even if the battery becomes discharged. Its small size allows it to fit almost anywhere. Data retrieval is simple. Plug it into an empty COM port and our easy to use software does the rest. The software converts your PC into a real time strip chart recorder. Data can be printed in graphical or tabular format and can be exported to a text or Microsoft Excel file.

Specifications

TEMPERATURE CHANNEL

Temperature Sensor: 100Ω Pt RTD
Calibrated Accuracy: ±0.5°C (0 to 100°C)

Temperature Resolution: 0.1°C

Measuring Range:
 -40 to 140°C (-40 to 284°F)

Input Connection: Screw-terminal
pH CHANNEL

pH Range: 0.00 to 14.00 pH

pH Resolution: 0.01 pH

Calibrated Accuracy: ±0.1pH

Input Connection: BNC connector

GENERAL SPECIFICATIONS

ADC Resolution: 16-bits

pH Calibration: Digital calibration is available in software

Recording Interval: 2 seconds to 12 hours selectable in software

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

Green Visual Indicator: LED flashes at selected reading rate

Memory: 8,192 pH and 8,192 temperature readings

Power: 9 V lithium battery included

Battery Life: 1 year typical

Time Accuracy: ±1 minute per month at 20°C

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

Weight: 113 g (4 oz)

Computer Interface: PC serial, RS-232C COM or USB (interface cable required)

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

Operating Environment:

-5 to 50°C (23 to 122°F) 5 to 95% RH non-condensing

Dimensions:

61 H x 95 W x 26 mm D (2.4 x 3.8 x 1")

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
OM-CP-PH101	\$399	pH and temperature data logger
OM-CP-PH101-CERT	459	pH and temperature data logger with NIST calibration certificate
OM-CP-IFC200	129	Windows software and 3.7 m (12') USB interface cable
OM-CP-BAT103	25	Replacement 9 V lithium battery
OM-CP-CONNECTOR-4	10	Replacement 4 position terminal block connector

Operator's manual, battery, and USB cable are included with the **OM-CP-IFC200** Windows software (software is required to operate the data logger and is sold separately). NIST calibration for temperature only.

Ordering Example: OM-CP-PH101-CERT pH and temperature data logger with NIST calibration certificate and OM-CP-IFC200 Windows software and USB interface cable, \$459 + 129 = **\$588**.



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• pH and Conductivity

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• Heaters

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