

OM-CP-PH101 pH AND TEMPERATURE DATALOGGER

Part of the **NOMAD™** Family

OM-CP-PH101

£267



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

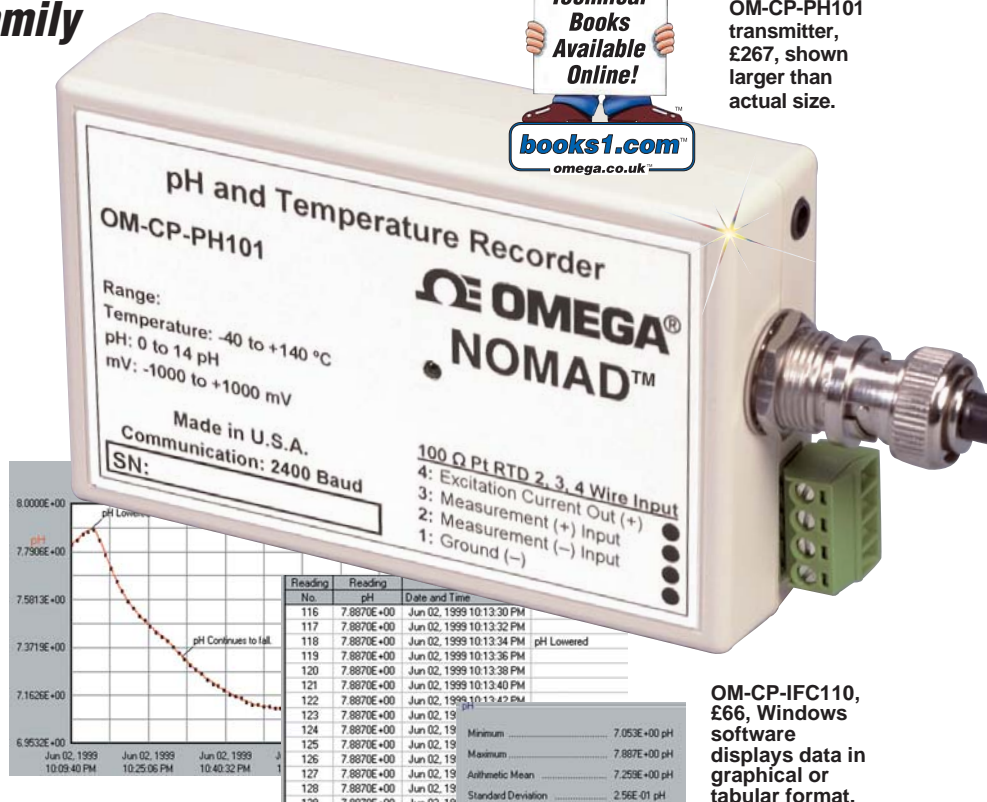
The OM-CP-PH101 is a low cost, high resolution, miniature battery powered, stand-alone data logger used for automatically recording pH between 0.00 and 14.00 pH.

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 available USB or 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: A pH electrode with integral 100 Pt RTD temperature sensor or an external 100 Pt RTD temperature sensor is required (a 100 resistor may be used if temperature compensation is not needed)



Calibrated Accuracy: $\pm 0.5^\circ\text{C}$
Temperature Resolution: 0.1°C
Measuring Range: -40 to 140°C
Input Connection: Screw-terminal

pH CHANNEL
pH Range: 0.00 to 14.00 pH
pH Resolution: 0.01 pH

Calibrated Accuracy: $\pm 0.1\text{pH}$
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: 9V alkaline battery included

Battery Life: 1 year typical

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

Data Format: Date and time stamped, pH, $^\circ\text{C}$, $^\circ\text{F}$, $^\circ\text{K}$, $^\circ\text{R}$

Weight: 113 g

Computer Interface: PC serial or RS-232C COM

Software: Windows 95/98/NT/2000/XP

Operating Environment: 5 to 50°C

5 to 95% RH non-condensing

Dimensions: 61 H x 95 W x 26 mm D

ALL MODELS AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)		
Model No.	Price	Description
OM-CP-PH101	£267	pH and temperature datalogger
OM-CP-PH101-CERT	308	pH and temperature datalogger with calibration certificate (temperature only)
OM-CP-IFC200	80	Windows software and 3.7 m USB interface cable
OM-CP-IFC110	66	Windows software and 1.2 m RS-232 cable with DB9F termination
OM-CP-BAT103	13.50	Replacement 9V alkaline battery
CS-3768	47	Reference Book: Data Conversion Handbook

Operator's manual, battery, and RS-232 cable are included with the OM-CP-IFC110 and OM-CP-IFC200, Windows software (software is required to operate the datalogger and is sold separately). Calibration for temperature only.

Ordering Example: OM-CP-PH101-CERT, pH and temperature datalogger with calibration certificate, and OM-CP-IFC110, Windows software and RS-232 cable, £308 + 66 = **£374**.

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• pH and Conductivity

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• Data Acquisition

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• Heaters

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