

WATER LEVEL AND TEMPERATURE DATA LOGGER

OM-CP-LEVEL101
Starts at

\$649



- ✓ Part of the **NOMAD® Family**
- ✓ Submersible
- ✓ Programmable Start Time
- ✓ User Calibration Through Software

The OM-CP-LEVEL101 rugged water level and temperature data logger is a battery powered, stand-alone device used for automatically recording water level from 0 to 21.3 m (0 to 70') and temperatures from -40 to 80°C (-40 to 176°F). The OM-CP-LEVEL101 does this by recording the absolute water pressure and then converting the water pressure to level through software. This all-in-one compact, portable, easy to use device will measure and record up to 16,383 water level and 16,383 temperature measurements. The OM-CP-LEVEL101 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 the easy to use Windows® 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

Sensor: Semiconductor
Accuracy: ±0.5°C (0 to 50°C)
Resolution: 0.1°C

Measurement Range:
-40 to 80°C (-40 to 176°F)

Level/Pressure Channel

Accuracy: ±0.3% max at 25°C, ±0.1% typical

Resolution: 0.0005 psia, 0.02 in H₂O
Ranges: 0 to 30 psia, 0 to 830 in H₂O, 0 to 69' H₂O, records water level from 0 to 30' in atmospheric pressure
Sensor: Strain gage
Adaptor: Fully submersible to 150'
Temperature Effect on Span/Offset: ±1.0% max relative to 25°C, 0 to 50°C; ±0.2% typical

GENERAL SPECIFICATIONS

Temperature/Pressure/Level

Calibration: Digital calibration available through software

Recording Interval: 2 sec to 12 hrs software selectable

Calibration Date: Automatically recorded within device to alert user when calibration is required

Start Time: Start time and date are programmable through software, up to six months in advance

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

Power: 3.6V lithium battery, included

Battery Life: 1 year typical

Time Accuracy: ±1 minute per month at 20°C, when RS232 port is not in use

Data Format: date and time stamped, °C, °F, K, R, psi, inH₂O, ftH₂O, mmH₂O, cmH₂O, mH₂O, bar, atm, torr, Pa, kPa, MPa

Weight: 140 g (5 oz)

Computer Interface: PC serial, RS232C COM or USB (interface cable required)

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

Operating Environment: -40 to 80°C (-40 to 176°F), 0 to 99% RH non-condensing (while unit is open)

Dimensions: 25 mm dia x 108 mm L (1.0 x 4.25")

Material: Stainless Steel

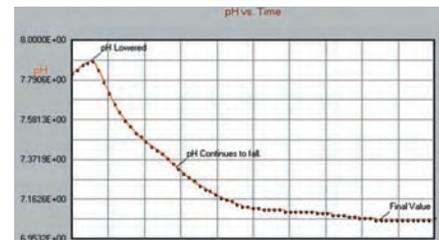


OM-CP-LEVEL101-SS data logger, \$649, shown actual size.

OM-CP-IFC110, Windows software, \$99 is required to operate the data logger.

Temperature Channel	
Minimum	19.5 Deg. C
Maximum	23.5 Deg. C
Arithmetic Mean	20.8 Deg. C
Standard Deviation	1.2 Deg. C
Mean Kinetic Temperature	20.8 Deg. C
Pressure Channel	
Minimum	27.904 psia
Maximum	28.156 psia
Arithmetic Mean	28.006 psia
Standard Deviation	0.073 psia

Reading No.	Temperature Deg. C	Pressure psia	Date and Time	Annotation
1452	22.0	27.975	Feb 20, 2000 09:10:30 PM	
1453	22.0	27.975	Feb 20, 2000 09:11:30 PM	
1454	22.0	27.978	Feb 20, 2000 09:12:30 PM	Pressure Drop
1455	22.0	27.976	Feb 20, 2000 09:13:30 PM	
1456	21.5	27.970	Feb 20, 2000 09:14:30 PM	
1457	21.0	27.967	Feb 20, 2000 09:15:30 PM	
1458	21.0	27.963	Feb 20, 2000 09:16:30 PM	
1459	20.5	27.961	Feb 20, 2000 09:17:30 PM	
1460	20.5	27.959	Feb 20, 2000 09:18:30 PM	
1461	20.0	27.957	Feb 20, 2000 09:19:30 PM	
1462	20.0	27.957	Feb 20, 2000 09:20:30 PM	
1463	20.0	27.954	Feb 20, 2000 09:21:30 PM	
1464	20.0	27.954	Feb 20, 2000 09:22:30 PM	
1465	20.0	27.952	Feb 20, 2000 09:23:30 PM	



AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
OM-CP-LEVEL101-SS	\$649	Water level and temperature data logger
OM-CP-LEVEL101-SS-CERT	709	Water level and temperature data logger and NIST calibration certificate
OM-CP-IFC110	99	Windows® software and 1.2 m (4') RS232 cable with DB9F termination
OM-CP-IFC200	119	Windows software and 3.7 m (12') USB interface cable
OM-CP-BAT102	10	Replacement 3.6V lithium battery

Comes complete with operator's manual, 3.6V battery and RS232 cable. Windows software is required to operate the data logger (sold separately). NIST calibration for temperature only.

Ordering Example: OM-CP-LEVEL101-SS-CERT, water level and temperature data logger with NIST calibration certificate, OM-CP-IFC110, Windows software and RS232 cable, \$709 + 99 = \$808.

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