Transient Pressure Data Logger 1⁄4 NPT and Submersible Models
Part of the NOMAD® Family

OM-CP-PRTRANS Series

- 100 Hz Operation
- Software-Selectable Trigger
- Rugged
- Programmable Start Time
- 32 Sample Pre-Trigger Buffer

Specifications
Pressure Sensor:
Semiconductor strain gauge
Calibrated Accuracy: 2% FSR, 0.25% @ 25°C typical
Pressure Response Time: 0.1 ms (10 to 90% FSR)
Repeatability: ±0.5% FSR; ±0.2% typical
Adaptor: 1⁄4 MNPT or fully submersible
Trigger Modes: Software programmable window size of bi-level start/stop triggers
Start Time: Software programmable immediate start time or delay start up to 7 days in advance
Real Time Recording: May be used with PC to monitor and record data in real time
Memory: Up to 262,143 samples
Number of Events: Up to 255 triggered events
Pre-Trigger Size: Up to 32 samples
Recording Interval: 1 reading every 10 ms to 1 every second
Calibration: Digital calibration is available through software
Calibration Date: Automatically recorded within device
Power: 3.6 V lithium battery (included), user replaceable
Battery Life: 3 days continuous @ 10 ms sample rate

Pressure Range | Resolution
--- | ---
0 to 30 psia | 0.02 psia
0 to 100 psia | 0.1 psia
0 to 300 psia | 0.2 psia
0 to 500 psia | 0.5 psia
0 to 1000 psia | 1.0 psia
0 to 5000 psia | 5.0 psia
0 to 30 psig | 0.02 psig
0 to 100 psig | 0.1 psig
0 to 300 psig | 0.2 psig
0 to 500 psig | 0.5 psig

Shelf Life: Up to 1 year when not in use
Data Format: Date and time stamped, psia, psig, inches, feet, mmHg, bar, torr, kPa
Computer Interface: PC serial or USB (interface cable required) 115,200 baud
Software: XP SP3/Vista/7 and 8 (32-bit and 64-bit)
Operating Environment: -40 to 80°C (-40 to 176°F) 0 to 100% RH non-condensing
Dimensions: 163 mm x 32 mm L (6.4 x 1.25")
Weight: 340 g (12 oz)
Material: Stainless steel
OM-CP-IFC200 Windows software displays data in graphic or tabular format

### To Order

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>OM-CP-PRTRANS-0-30A</td>
<td>Transient pressure data logger, 0 to 30 psia, submersible</td>
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<tr>
<td>OM-CP-PRTRANS-0-100A</td>
<td>Transient pressure data logger, 0 to 100 psia, submersible</td>
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<tr>
<td>OM-CP-PRTRANS-0-30G</td>
<td>Transient pressure data logger, 0 to 30 psig, submersible</td>
</tr>
<tr>
<td>OM-CP-PRTRANS-0-100G</td>
<td>Transient pressure data logger, 0 to 100 psig, submersible</td>
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<tr>
<td>OM-CP-PRTRANS-1-30A</td>
<td>Transient pressure data logger, 0 to 30 psia, ¼ NPT</td>
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<td>OM-CP-PRTRANS-1-30G</td>
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<td>Transient pressure data logger, 0 to 500 psig, ¾ NPT</td>
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<td>OM-CP-IFC200</td>
<td>Windows software and 1.8 m (6’) USB interface cable</td>
</tr>
<tr>
<td>OM-CP-SVP-SYSTEM</td>
<td>FDA 21 CFR part 11 compliant IQ/OQ/PQ secure software validation workbook</td>
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<td>OM-CP-SVP-SYSTEM</td>
<td>and software package (unlimited users, license per computer)</td>
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<td>OM-CP-BAT102</td>
<td>Replacement 3.6 V lithium battery</td>
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Comes complete with 3.6V lithium battery. Operator's manual and USB cable are included with the OM-CP-IFC200 Windows software (software sold separately).

Fully submersible data loggers are only available in 0-30 psia, 0-30 psig, 0-100 psia and 0-100 psig ranges.

To order data logger with NIST calibration certificate, add suffix “CERT” to model number.

**Ordering Example:** OM-CP-PRTRANS-1-100A-CERT, transient pressure data logger with NIST calibration certificate, ¼ NPT fitting, 0 to 100 psia range and OM-CP-IFC200 Windows software and USB interface cable.