

PRESSURE MONITOR

- ✓ Reduce vessel and personnel costs with automated measurement
- ✓ Measure directly subsea and log wet-storage pressures
- ✓ Integrates with other C-Kore products for data collection
- ✓ Track asset health from factory floor to subsea hook-up
- ✓ Easy to use, no C-Kore personnel required



Monitor and log pressure readings during new equipment installation to prove conformance and detect leaks.

The C-Kore Pressure Monitor is a simple but versatile tool for monitoring fluid lines during asset installation, for example an umbilical. It is very compact allowing easy integration onto stab-plates and test fixtures.

When installing new assets the pressure monitor is used to prove that the fluid lines have been correctly pressurised and detect any leaks that occur, removing the need for manual measurement. The units can be deployed subsea with the equipment and remain fitted during wet-storage until the point of hook-up. The pressure monitor can be connected to a nearby Cable Monitor or TDR to show results on the display. It is also possible to daisy-chain multiple pressure monitors together for measuring different fluid lines. Every reading is timestamped and stored in internal memory.

The unit is powered by a high-capacity battery for stand-alone operation. Simple user configuration is possible with a plug-and-play USB connection.

KEY FEATURES



Pressure Measurement

Absolute pressure measurement of up to 1000 bar (14,500 psi). Differential measurements possible by using two units.



Compact

Easy integration onto stab-plates and test fixtures. Can be secured with a 50mm (2 inch) pipe clip.



Connectable

Stand-alone or link to a Cable Monitor to display readings. Log pressure readings into Cable Monitor test reports



Physical Shock

Measures impacts, acceleration and orientation changes. Logs shocks up to 200G in all 3 axis.



Temperature

Monitor environmental conditions during storage and transit. Accurate measurement over complete temperature range.



Other Sensors

Other sensor types available upon request. Please contact us to discuss your requirements.

TECHNICAL SPECIFICATION

Measurement

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|----------------------|---|
| Pressure: | 400, 600 or 1000 bar absolute (5800, 8700 or 14500 psi) |
| Temperature: | -40°C to +60°C |
| Shock and Vibration: | 0 to 200G |

System Features

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|--------------------------|--|
| Daisy-Chaining: | Pressure monitors can be daisy-chained together to allow the monitoring of multiple fluid lines. |
| Results Display: | Connection to a C-Kore Cable Monitor or TDR allows live results to be displayed on the Full-Colour OLED graphical display. All results are logged on the device and can be viewed using the surface app. |
| Monitoring: | User-configurable collection of temperature, shock (up to 200G), orientation data. |
| Result Retrieval: | 32GB of on board storage for result data. Export to HTML report or CSV spreadsheet via USB connection. Exported results have full details of measurements and diagnostics. |
| Unit Identification: | Unique serial number per system and user-writable asset tag. |
| Power: | Integrated high capacity Li-Ion battery (non-rechargeable) or 5VDC from external source. |
| Configuration Interface: | USB based configuration (with configuration application stored on unit). |

Physical Information

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|------------------------|---|
| Compatibility: | Standard Autoclave Engineers F-250-C Port. Adapters available for BSP or JIC. |
| Operating Depth: | 6000 msw |
| Handling: | Should be connected to standard cathodic protection system. |
| Installation: | Connection to fluid lines must comply with the high-pressure fitting's manufacturer instructions. The Pressure monitor can be secured with a 50mm (2 inch) pipe clip. |
| Operating Temperature: | Recommended: 0°C to +40°C Maximum -40°C to +60°C |
| Storage Temperature: | Recommended: 0°C to +25°C Maximum: -40°C to +60°C |
| Size: | Length: 162.5 mm Diameter: 50 mm |
| Weight (in air): | Approx 1.4 kg |

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C-Kore
Simplify Subsea Testing



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