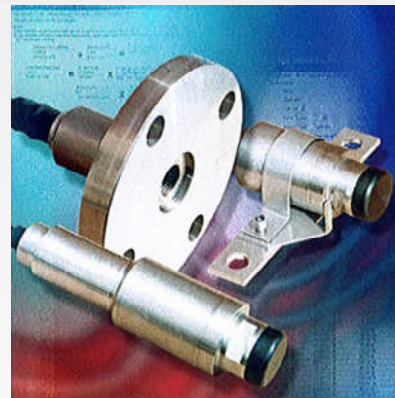




PROCON PSM iCT Intelligent Electronic Level Transmitters

FEATURES

- True Dual Mode Analogue 4-20mA and Digital Modbus Level, Pressure and Temperature Transmitter
- Easily replaces conventional two wire 4 to 20mA Transmitters
- Digital Bus and Analogue on one Transmitter
- Signal Linearization- Output in Level or True Volume
- Multi-drop Modbus digital mode for significant cabling savings
- Analogue 4-20mA Outputs
- Wide Span
- High Accuracy/Stability
- Program remotely
- Simple Configuration
- Marine and I.S Approvals
- Submersible and Side or Base Mount Versions.
- Wide analogue turndown range.



GENERAL DESCRIPTION

The iCT's Ceramic Cell is impervious to corrosion for most applications and is fully protected against overload and shock conditions. The transmitters body is manufactured from high integrity 316 Stainless Steel and employs a carefully engineered Kalrez seal assembly providing fully submersible (IP68) construction capable of withstanding the toughest operating conditions.

The powerful onboard micro-controller utilizes a unique digital processing principle and incorporates a comprehensive range of functions and outputs, all under the users control using our free ISS configuration software.

ANALOGUE MODE

In 2 wire analogue mode the 4-20mA signal can be configured to compensate for any tank shape, S.G, and transmitter offset, so that output is in true volume and not just level removing the need for and additional signal processing instrumentation. Its flexibility ensures that it can be used to replace obsolete conventional 4 to 20mA two wire transmitters.

DIGITAL MODE

In digital mode iCT can communicate directly with a Host computer, PLC or Intelligent Display via an industry standard RS485 multi-drop network using standard MODBUS protocol.

SPECIFICATIONS

Power Supply Digital Mode Only: 8-30Vdc

Power Supply Including Analogue Mode: 12-30Vdc

Accuracy Digital Mode: $\pm 0.10\%$

Accuracy Analogue Mode: $\pm 0.25\%$

Accuracy Temperature: $\pm 1.0^{\circ}\text{C}$ (Available in digital Mode Only)

Range : Up to 20Barg

Analogue Output : 2 Wire Loop Powered

Digital Output: RS485 MODBUS 2 wire half duplex

Sensing Element: Ceramic- A_2O_3 98%

Body Construction: Fusion Welded 316 Stainless Steel

Cable: TPE-E LSHF Thermoplastic Polyester

Elastomer: Low Smoke Halogen Free

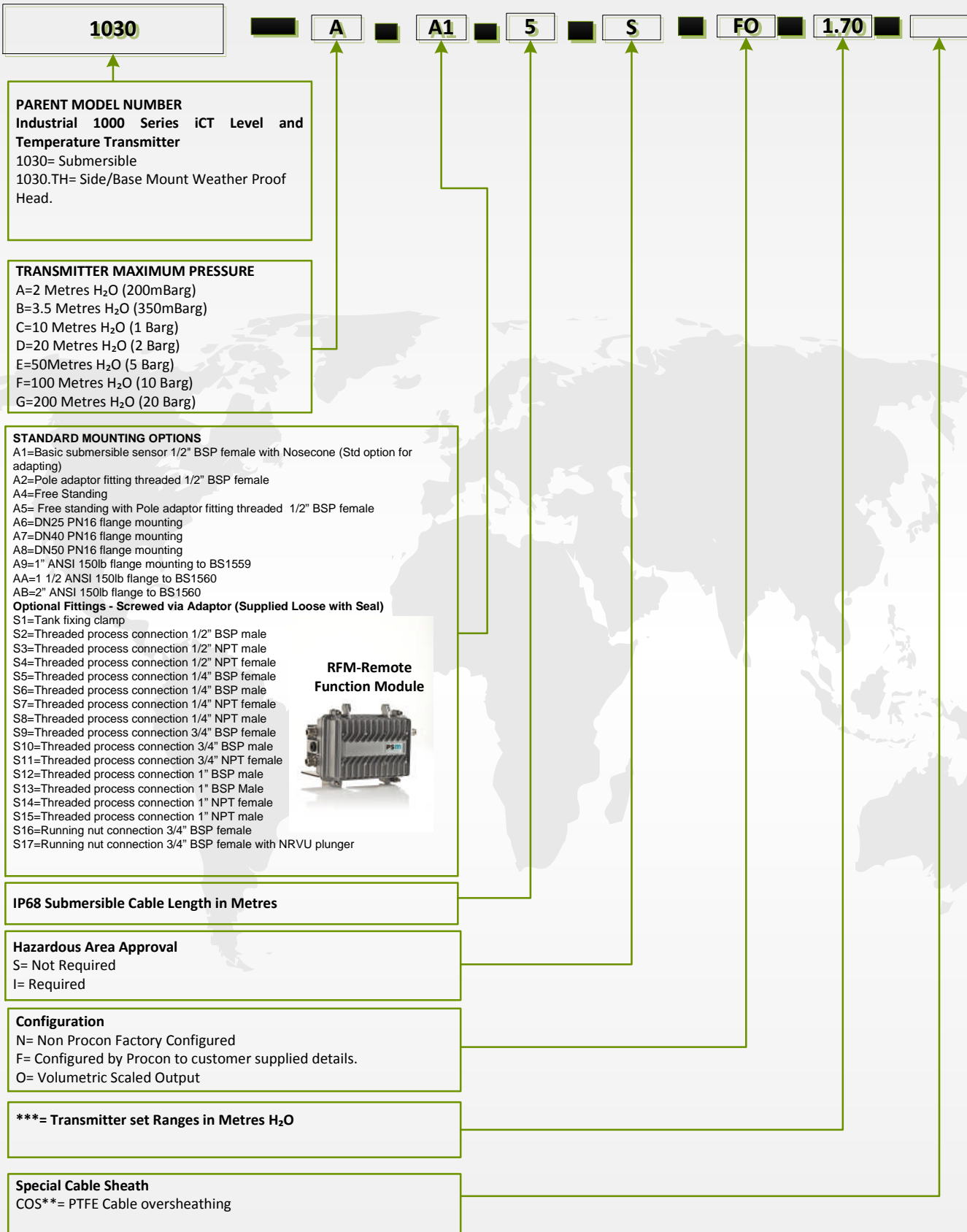
Operating Temperature: -20°C to 80°C

IP Rating: IP68 (Suitable for Continuous Immersion)

Intrinsic Safety:



ORDERING CODE



FREE ISS Software Configuration Tool For Ict Level Transmitters is available off the WEB from the link.

<http://www.psmmarine.com/documentation/ict-1000-general-industrial/software>



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