

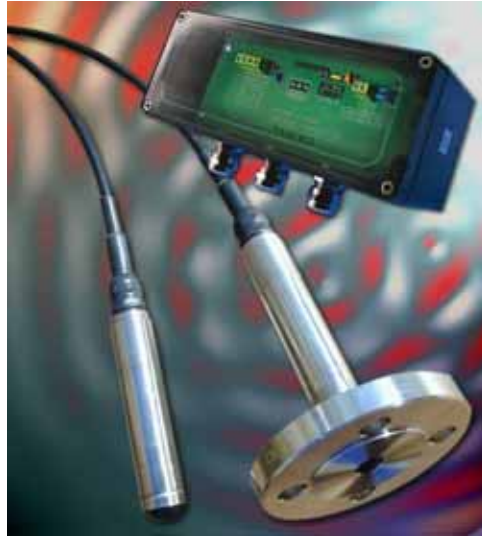
700 series



Submersible borehole / probe level transmitters

Key features

- fully submersible sensor meets RFI/EMC immunity standards
- Rugged shock - resistant design
- Compact 1 inch (25mm) diameter
- simple installation
- wide range of duties
- EExia IIC T5 intrinsically safe models available



The PSM Series 700 Borehole and Probe Transmitters employ the proven principle of pressure sensitive diaphragm and LVDT. They are specifically designed for applications where access for installation is restricted such as deep wells or buried storage vessels.

standard specifications

Minimum range:	0 - 1.3 metres H ₂ O	Maximum load:	1000 ohms at 30V
Maximum range:	0 - 100 metres H ₂ O	Signal output:	4 -20mA DC 2 wire
Nominal ranges:	1, 2, 4, 8, 16, 32, 50, 100 metres H ₂ O	Accuracy:	Better than ±0.5% FRO
Range adjustment:	3:1 turndown of normal range	Sensor cable:	Heavy duty TPE vented
Zero adjustment:	± 10% of calibrated span	Maximum length:	300 metres
Overload:	5X nominal range	Operating temperature:	-25°C to +85°C
Sensor body:	316 stainless steel as standard. uPVC option	Temp. coefficient:	Less than 0.05% per °C shift zero and range
Diaphragms:	Hastelloy	Minimum survival:	-50°C
Power supply	12 - 35V DC	Electronics housing:	IP65 GRP (NEMA 4) with internal RFI screen (IP67 optional)

The standard unit is simply suspended on its own cable.

A threaded connection in the nose cap enables guides or weights to be attached to assist installation.

Where a rigid installation is required the sensor is pole mounted, either as a demountable or an all welded construction, as the application requires. A simple 1 inch (25mm) compression fitting is all that is needed for insertion.

The standard construction materials are suited to a wide range of liquid duties, and for aggressive chemicals the stainless body/ pole may be replaced by uPVC.

The use of a remote electronic module means calibration controls can be sited at a convenient point greatly simplifying commissioning and periodic calibration checks.

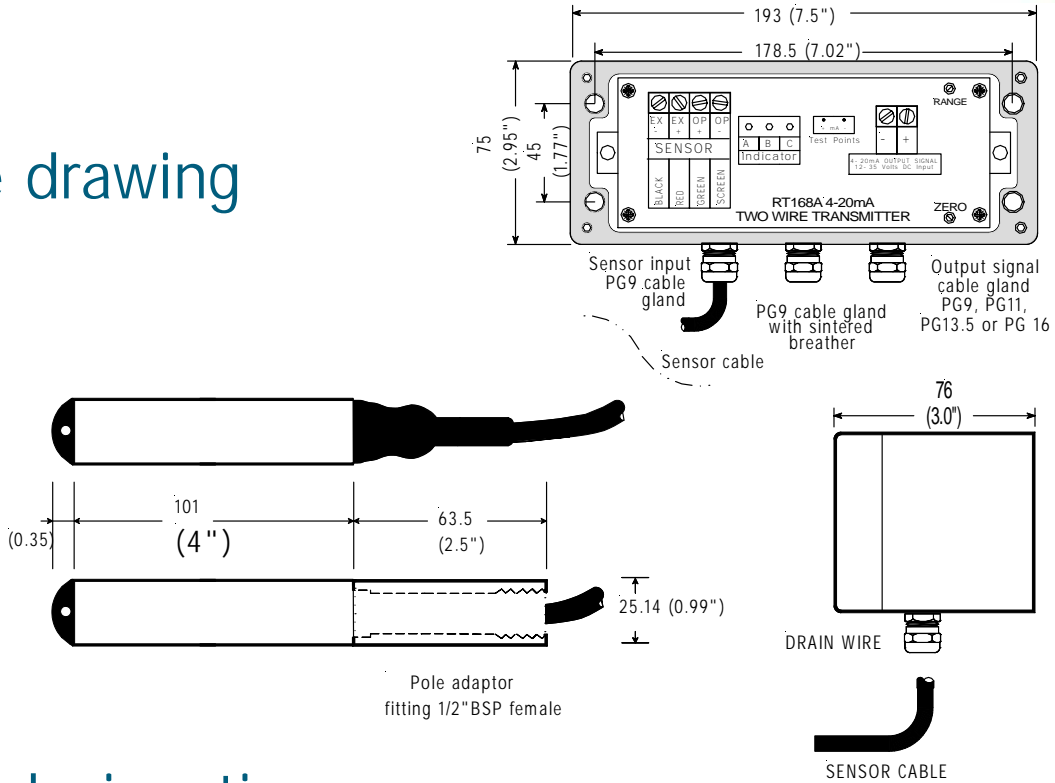
Complementing the Optima, PSM design and manufacture the iTC Series, a complete range of Single & Multi-Channel Tank monitors & controllers. Completing the picture, TANKVIEW is a PC based Graphical display package offering full screen based display & reporting. Data sheets available on request.



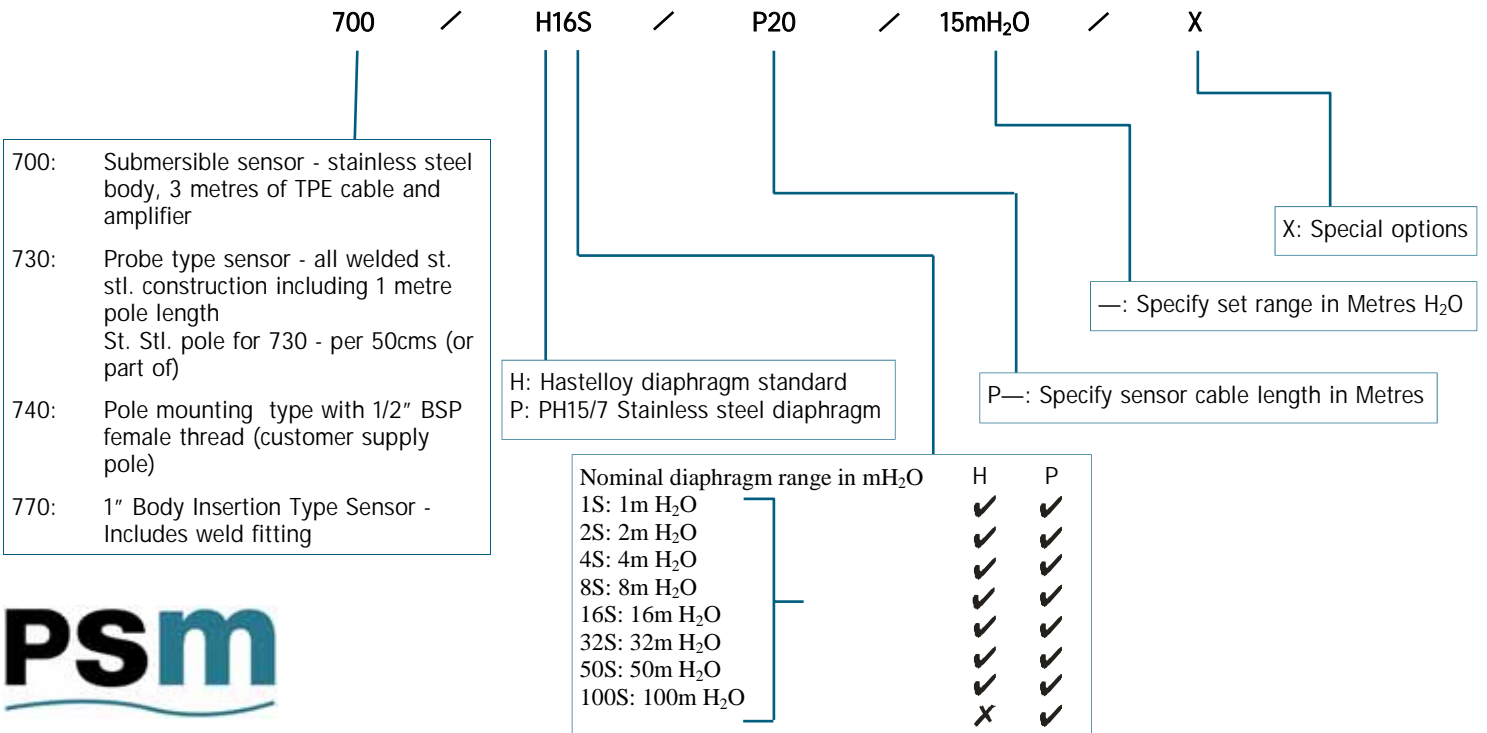
700 series



Outline drawing



Model designations



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