



260 SERIES 2 WIRE HYDROSTATIC LEVEL TRANSMITTER



- Submersible construction
- Lloyds Approved
- EEXia IIC T5 certified option
- Complies with RFI / EMC Standards
- Fully Welded Construction
- Superior Low Range Sensitivity / Accuracy
- Unrivalled Overload Tolerance
- Applications in Oils & Chemicals

The 260 series uses the established measurement principle of pressure sensitive diaphragm and LVDT. Our unparalleled experience in the use of this technology over many thousands of applications results in a transmitter capable of performing accurately and reliably in the most demanding and arduous duties.

Diaphragms are provided in a choice of corrosion resistant alloys and are offered in a number of "nominal" ranges; each engineered for optimum performance on its measurement span. Diaphragm travel is limited by mechanical design, providing unmatched tolerance to high overload and shock conditions.

Production employs TIG fusion technology and Mass Spectrometry analysis to ensure complete integrity of all welded joints. A process of thermal 'ageing' is used for stress relief and to ensure long-term stability in service.

Submersible construction is standard and the sensor may be free standing, suspended, clamped or pole mounting within the vessel. For external mounting, any standard flange or thread may be specified.

Where the application demands, automatic compensation for both process and ambient temperature fluctuations can be built in.

For enhanced reliability and stability, all active electronics are remotely sited in a weatherproof enclosure, which, for ease of adjustment, contains all calibration controls.

This electronics module meets current IEC standards for RFI/EMC immunity, and is available certified I.S. for use in hazardous zones.

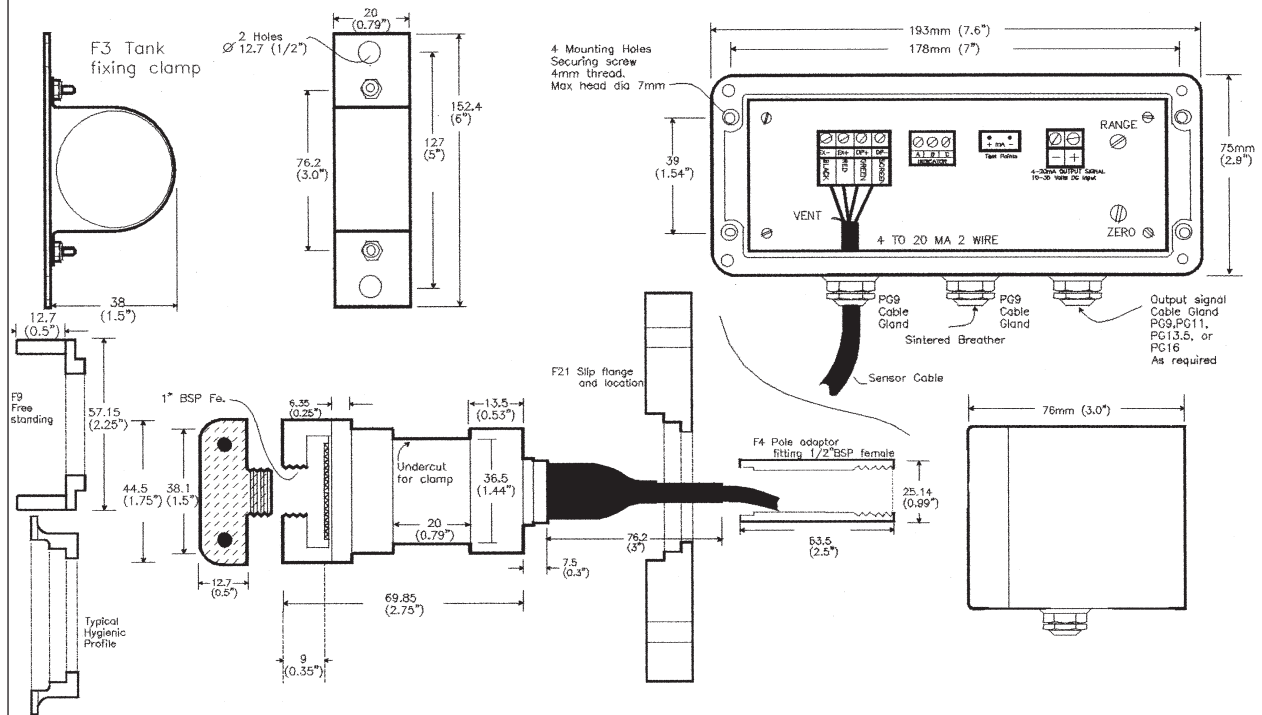
STANDARD SPECIFICATIONS			
Calibrated Spans:	From 300mm to 32mH ₂ O	Sensor cable:	Heavy duty TPE vented
Range adjustment:	30 to 100% of nominal diaphragm range	Electronics housing:	IP65 GRP (NEMA 4) with internal RFI screen (IP67 optional)
Zero adjustment:	+/- 10% of span	Sensor operating temp.:	-25 to +95°C (optional -80/+150°C)
Overload:	Minimum 5 x nominal range	Electronics operating temp.:	-40 to +55°C
Output signal:	4 to 20 mA dc 2 wire	Electronics min survival:	-50°C
Power requirement:	12 to 30Vdc (loop powered)	Temperature effect:	Less than 0.05% / °C range and zero (0.02% / °C optional)
Maximum output load:	1000 ohms @ 30V	Accuracy:	Better than 0.25% FRO
Sensor body:	316L st stl	Diaphragm:	Hastelloy C276 standard

SAMPLE OF THE FITTING OPTIONS AVAILABLE

- | | |
|---|--|
| <p>F1 Basic submersible sensor</p> <p>F2 DN25 PN16 flange mounting</p> <p>F3 Tank fixing clamp</p> <p>F4 Pole adaptor fitting threaded 1/2" BSP female</p> <p>F5 Threaded process connection 1/2" BSP male</p> <p>F6 1" ANSI 150lb flange mounting to BS1560</p> <p>F7 Threaded process connection 1/2" NPT male</p> <p>F8 Running nut connection 3/4" BSP female</p> <p>F9 Free Standing</p> <p>F10 Free standing with Pole adaptor fitting threaded 1/2" BSP female</p> | <p>F15 Welded pole assembly 1 metre of pole included</p> <p>F16 Running nut connection 3/4" BSP female with NRVU plunger</p> <p>F17 DN40 PN16 flange mounting</p> <p>F18 DN50 PN16 flange mounting</p> <p>F19 Tank fixing clamp & Pole adaptor</p> <p>F21 Body with slip flange location</p> <p>F22 Threaded process connection 1" BSP female.</p> <p>F23 Threaded adaptor to allow fitting into existing series 200 DN40 flange</p> <p>F24 Threaded adaptor to allow fitting into existing series 200 DN50 flange</p> <p>F25 .2" BSP parallel thread for fixing to a standard 25mm depth socket</p> |
|---|--|

Plus others... please refer if your requirement is not listed

TYPICAL OUTLINE DIMENSIONS



Cobham Fluid Systems Limited
 Holland Way, Blandford Forum, Dorset, England. DT11 7BJ
 Tel: 44 (0)1258 486600 Fax: 44 (0)1258 486601
 www.cobhamfluidsystems.com
 sales@cobhamfluidsystems.com

Copyright: Cobham Fluid Systems.
 This publication provides outline information only, which (unless agreed by the Company in writing) may not be used, applied or reproduced for any purpose or form part of any order or contract or be regarded as a representation relating to the products or services concerned. The Company reserves the right to alter without notice the specification, design, price or conditions of supply of any product or service.

A Flight Refuelling company



A Collective Member of
IP THE INSTITUTE OF PETROLEUM