



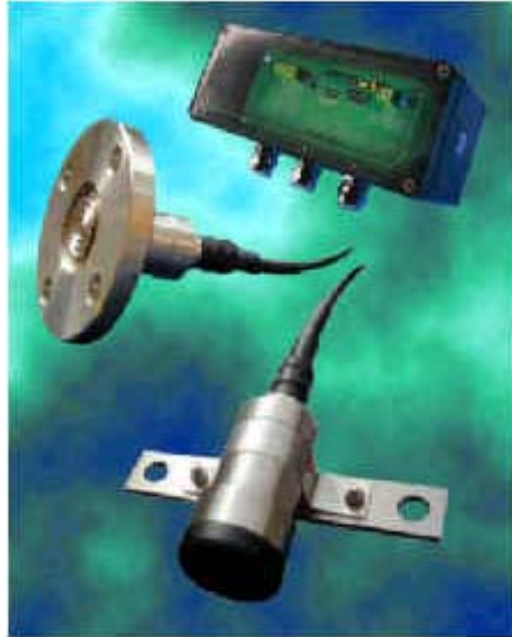
TANKSTAR 260 series

ELECTRONIC LIQUID LEVEL TRANSMITTER's for the marine industry

With many thousands of transmitters installed on all classes of Ships from Military vessels to Tankers, the design of the 'Tankstar' series draws on over 20 years successful application experience. Fully compliant with the latest IEC and Marine Industry standards, its rugged construction provides reliable and accurate monitoring of liquid levels in the harsh environments of shipboard tanks and draught applications, where conditions of high overload, shock, vibration, and temperature variation are common.

The measuring principle of pressure sensitive diaphragm &

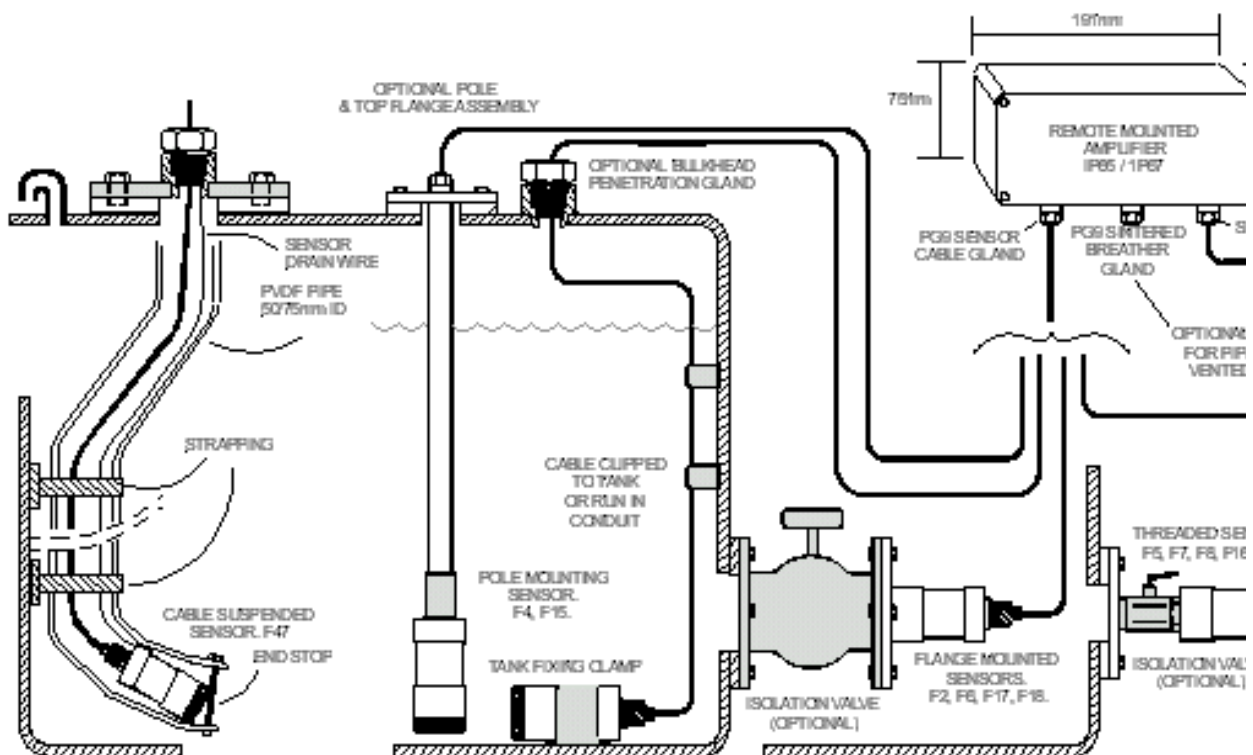
L.V.D.T combines excellent sensitivity and long term stability The 'Tankstar' has the sensitivity needed to accurately measure shallow tanks but will sustain a 50 times overload without damage. The all welded sensor is manufactured from high grade alloys specifically selected for their stability & corrosion resistance. A wide choice of fittings and the remotely mounted amplifier maximises installation flexibility and serviceability.



- Sealed & submersible sensor construction
- meets rfi/emc standards
- MARINE CLASSIFICATION 'TYPE' APPROVED
- SEAWATER, OILS & CORROSIVE / hazardous DUTIES
- VERSATILE installation
- Gauge or absolute versions
- **EExia IIC T5 intrinsically safe models available**

Sensors are maintenance free and contain no active electronic components. A factory sealed cable is supplied to the required length for direct connection to the amplifier. The standard sensor cable has a heavy duty outer sheath of cross linked polymers which are suitable for continuous immersion in both sea water, fuels and hydrocarbons. An optional performance cable permits use of sensor in extreme temperature limits of -50°C to +150°C .

STANDARD SPECIFICATIONS			
Calibrated spans:	From 0 - 600mm H ₂ O to 0 - 100m H ₂ O	Diaphragms:	Hastelloy C276
Range adjustment:	3:1 turndown of normal range	Sensor cable:	Heavy duty TPE vented
Zero adjustment:	± 10% of calibrated span	Electronics housing:	IP65 GRP (NEMA 4) with internal RFI screen (IP67 optional)
Overload:	minimum of 50m or 5 x nominal range	Operating temperature:	-25°C to +95°C (option: -80 to 150°C)
Nominal ranges:	1, 2, 4, 8, 16, 32, 50, 100, 200 metres H ₂ O	Minimum survival:	-50°C
Signal output:	4 -20mA DC 2 wire	Electronics op.temp:	-40 to +55°C
Power supply:	12 - 30V DC	Accuracy:	Better than ±0.5% FRO
Maximum load:	1000 ohms at 30V	Temp. coefficient:	Less than 0.05% per °C shift zero and range
Sensor body:	316 stainless steel		



MODEL DESIGNATIONS

260	Hydrostatic Sensor in 316 St. Stl. c/w 3 metres of cable RT168A 4 to 20 mA amplifier		
	F47	Basic submersible sensor with drain wire adaptor	
	F2	DN25 PN16 flange mounting	
	F3	Tank fixing clamp	
	F4	Pole adaptor fitting threaded 1/2" BSP female	
	F5	Threaded process connection 1/2" BSP male	
	F6	1" ANSI 150lb flange mounting to BS1560	
	F7	Threaded process connection 1/2" NPT male	
	F8	Running nut connection 3.4" BSP female	
	F15	Welded pole assembly 1 metre of pole included (specify overall length separately)	
	F16	Running nut connection 3/4" BSP female with NRVU plunger	
	F17	DN40 PN16 flange mounting	
	F18	DN50 PN16 flange mounting	
	F19	Tank fixing clamp & Pole adaptor fitting threaded 1/2" BSP female	
	H	Hastelloy Diaphragm standard	
	P	PH15/7 Diaphragm - Not for Salt Water duties	
		2D	2m H ₂ O
		4D	4m H ₂ O
		8D	8m H ₂ O
		16D	16m H ₂ O
		32D	32m H ₂ O
		50D	50m H ₂ O
		100D	100mH ₂ O
		P	Hytrek TPE heavy duty vented cable (standard)
		Q	Non standard cable
		— —	Cable length in mtrs Extra over 3 mtrs - (std) per metre
		DW—	Drain wire 1.5 mm Dia Specify length (F47 version)
		??	Transmitter set range in metres H ₂ O
		S??	Special calibration - reversed output, elevated / suppressed zero
		-	No options required
		B	High temperature sensor - (up to 120°C submersible versions, 145°C external versions)
		F	High accuracy (0.1%)
		G	IP67 Amplifier enclosure
		K	Absolute pressure version
		LG	Bulkhead fitting in CS (B211B)
		LGS	Bulkhead fitting in SS (B211A)
		1mA	Signal Output 0 to 1 mA (not IS)
		DI	Integral digital indicator in amplifier enclosure (non-IS only)
		IS	Certified IS when used with an approved safety barrier
		NA	Intrinsic safety not required
		9	PG9 gland for signal cable- Standard
		11	PG11 gland for signal cable

								13	PG13.5 gland for signal cable
								16	PG16 gland for signal cable
									Additional Pole length per 500mm (F15 version) specify length required

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