TANKSTAR

260 series

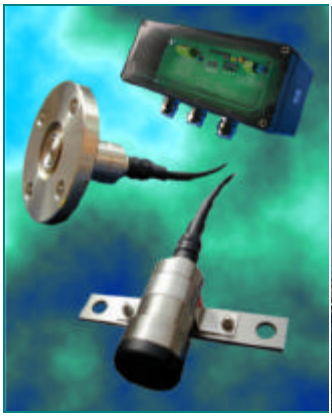
Liquid Level Transmitters for the Marine Industry

Key features

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

principle

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.



With many thousands of transmitters installed on all classes of Ships from Military vessels to Tankers, the design of the 'Tankstar' series draws on nearly 30 of 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.

benefits

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 - 300mm H_2O to 0 - 100m H_2O	**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 50 metres or 5 x nominal range	**Operating temperature:**	-25°C to +95°C (option: -80 to
Nominal ranges:	1, 2, 4, 8, 16, 32, 50, 100 metres H_2O	**Electronics op. temp:**	-40 to +55°C
Signal output:	4 -20mA DC 2 wire	**Minimum survival:**	-50°C
Power supply:	12 - 30V DC	**Accuracy:**	Better than ±0.25%
Maximum load:	1000 ohms at 30V	**Temp. coefficient:**	Less than 0.02% per °C shift zero and
Sensor body:	316L stainless steel		

PSm