

VEGABAR 86

Submersible Pressure Transmitter



OVERVIEW

The VEGABAR 86 is a submersible pressure transmitter for level measurement in tanks and open vessels. Specially optimized for measurement of water, oils, alkali, acids and other liquids; the submersible pressure transmitter VEGABAR 86 with ceramic measuring cell finds application in a wide range of applications. It features great flexibility and low maintenance levels due to the wear-free ceramic measuring cell.

Using a slave sensor, VEGABAR 86 can be adapted for electronic differential pressure measurement of: Level Pressurised, Level Difference, Flow, Density, Interface.

FEATURES

- High plant availability through maximum overload and vacuum resistance of the ceramic measuring cell
- Low costs for maintenance thanks to wear-free ceramic measuring cell
- The temperature of the medium can also be measured
- Not affected by foam generation or vessel internals

VEGABAR 86 SPECIFICATIONS

Technical Data

Pressure Measuring Range	+0.1 ... +25 bar/+10 ... +2500 kPa (+1.45 ... +363 psig)
Process Temperature	-20 ... +100 °C (-4 ... +212 °F)
Process Pressure	0 ... 25 bar / 0 ... 2500 kPa
Deviation	0.1 %
Smallest Measuring Range	+0.025 bar/+2.5 kPa (+0.363 psig)
Process Fitting	Straining clamp, threaded fitting, thread ab G1½, 1½ NPT, flanges from DN 32, 1½"
Ambient, storage, and transport temperature	-40 ... +80 °C (-40 ... +176 °F)

Materials

Wetted Parts	PVDF, 316L, FEP, PE, PUR
Process Seal	FKM, FFKM or EPDM
Housing Material	Plastic , aluminum , stainless steel
Enclosure Rating	IP 68 (25 bar) or IP69K

Electrical

Operating Voltage	9.6 ... 35 VDC
Output	Profibus PA Foundation Fieldbus 4 ... 20 mA 4 ... 20 mA/HART - two-wire Modbus Secondary electronics for electronic differential pressure

Approvals

Protection Rating	IP66/IP68 (0,2 bar) IP66/IP67 IP66/IP68 (1 bar) IP66/IP68 (25 bar) IP69K
Scope	ATEX / Europe FM / USA IEC / worldwide CSA / USA and Canada
Explosion Protection	Intrinsic safety "i" Flameproof enclosure "d"
Ship Approval	ABS, BV, CCS, DNV, GL, LR, RINA
Overfill Protection	WHG VLAREM II
SIL Qualification	SIL2