

VEGABAR 82 Pressure Transmitter

w/ Ceramic Measuring Cell



OVERVIEW

The VEGABAR 82 pressure transmitter is used for reliable and effective process pressure and hydrostatic level measurement of liquids, gasses and vapours.

With the addition of a Secondary/Slave sensor, the VEGABAR 82 can be used for electronic differential pressure measurement.

The VEGABAR 82 is an economical solution for a multitude of shipboard and other industry applications.

FEATURES

- CERTEC® measuring cell with robust ceramic design means long-term stability and high overload resistance.
- Measuring cell equipped with temperature sensor. Process temperature values can be displayed locally or conveyed with signal output.
- Capable of extremely small measuring ranges with high accuracy.
- Low maintenance costs thanks to wear-free measuring cell.

VEGABAR 82 SPECIFICATIONS

Technical Data

Pressure Measuring Range	-1 ... +100 bar/-100 kPa ... +10 MPa (-14.5 ... +1450 psig)
Process Temperature	-40 °C to 150 °C (-40 to +302 °F)
Measuring System	- Dry
Deviation	< 0.05 %; < 0.1 %; < 0.2 %
Smallest Measuring Range	+0.025 bar/+2.5 kPa (+0.363 psig)
Process Fitting	Threads from G½ Flanges from DN 15, ¾" Hygienic fittings: - Clamp ≥ 1" - DIN32676, ISO2852 - Slotted nut ≥ DN25 - DIN 11851
Ambient, storage, and transport temperature	-40 °C to 80 °C / -40 °F to +176 °F

Materials

Wetted Parts	316L, PVDF, Alloy, C4-plated, Sapphire-ceramic®.
Process Seal	FKM, FFKM, EPDM.
Housing Material	Plastic , aluminum , stainless steel
Enclosure Rating	IP 68 (25 bar) or IP69K

Electrical

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

Approvals

Scope	ATEX / Europe FM / USA IEC / worldwide CSA / USA and Canada
Explosion Protection	Intrinsic safety Ex ia Pressure-tight encapsulation Ex d Protection through housing St Ex
Ship Approval	ABS, BV, CCS, DNV, GL, LR, RINA
Overfill Protection	WHG VLAREM II
SIL Qualification	SIL2