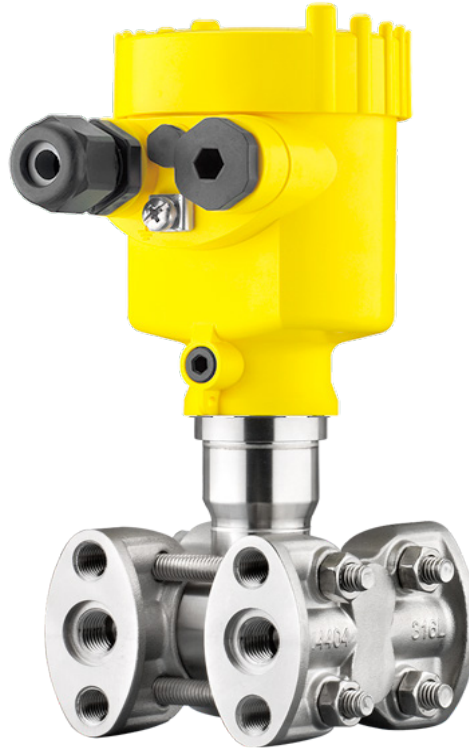


# VEGADIF 85

## Differential Pressure Indicator



### OVERVIEW

The VEGADIF 85 Differential Pressure Transmitter uses a metallic measuring cell as the sensor element. The process pressures are transmitted via the separating diaphragms and an oil filling to a resistance measuring bridge, using semiconductor technology. It is a universal differential transmitter for measurement of liquids, gases and vapors. This instrument is currently installed on autonomous vessels.

Common applications include: differential pressure measurements of filters and pumps as well as level measurements in pressure vessels

### FEATURES

- High reliability through integrated overload diaphragm
- Measurement of extremely small differential pressures through high precision measured value detection
- Versatile use through a variety of measuring ranges and process fittings
- IP68 versions are available for extremely moist areas

# VEGADIF 85 SPECIFICATIONS

## Technical Data

<b>Pressure Measuring Range</b>	0.01 to 16 bar / +1 to +1600 kPa / +0.145 to +232 psig
<b>Process Temperature</b>	Basic Version: -40 °C to 85 °C w/ Chemical Seals: -40 °C to 400 °C
<b>Process Pressure</b>	-1 to 400 bar / -100 to 40,000 kPa / -14.5 to +5802 psig
<b>Accuracy</b>	0.065%
<b>Smallest Adjustable Span</b>	1 mbar / 100 Pa / 0.015 psig
<b>Process Fitting</b>	Threaded: 1/4-18 NPT according to IEC 61518 Flanges and Hygenic Fittings: DN 32 or 2"
<b>Ambient, storage, and transport temperature</b>	-40 °C to 80 °C / -40 °F to +176 °F

## Materials

<b>Process Flanges</b>	Stainless Steel 316L , Alloy 276 , Superduplex
<b>Process Diaphragm</b>	316L , Alloy C276, Tantalum
<b>Housing Material</b>	Plastic , aluminum , stainless steel
<b>Enclosure Rating</b>	IP 68 (25 bar) or IP69K
<b>Seal</b>	EPDM FKM Copper

## Electrical

<b>Operating Voltage</b>	11 to 35 VDC
<b>Output</b>	4 to 20 mA/HART Profibus PA Foundation Fieldbus & Modbus

## Approvals

<b>Scope</b>	ATEX / Europe FM / USA IEC / worldwide CSA / USA and Canada
<b>Explosion Protection</b>	MI intrinsic safety Ex ia Pressure-tight encapsulation Ex d
<b>Ship Approval</b>	DNV GL
<b>Overfill Protection</b>	WHG VLAREM II
<b>SIL Qualification</b>	SIL2