

# VEGABAR S 16

## Hygienic Flush Process pressure transmitter for liquids and gases

- Dry, ceramic-capacitive CERTEC® measuring cell
- 4 ... 20 mA two-wire system
- Deviation in characteristics 0.5 %
- High overload resistance
- Optimal for CIP and SIP cleaning

### Function

The dry, ceramic measuring cell CERTEC® is used in VEGABAR S 16. The complete measuring cell consists of high purity ceramic and is characterised, by both excellent long term stability and very high overload resistance. The process pressure causes a deflection of the ceramic diaphragm and in turn a capacitance change in the measuring cell. This change is converted into a standard 4 ... 20 mA signal.

### Area of application

The main application areas are pressure and level measurements in the food and pharmaceutical industries VEGABAR S 16 is a flush mounting, hygienic pressure transmitter for measurement of gauge pressure, absolute pressure or vacuum. It can be used to measure gases, vapours and liquids.. It can be teamed up with VEGAMET 381 which can provide power, a calibrated output, a display, 2 relay switch points and fault relay.

### Technical data

Ambient temperature	-20 ... +85 °C
Product temperature	-20 ... +100 °C
Average temperature coefficient of the zero signal	< 0.15 %/10 K
Longterm drift of the zero signal	< 0.1 %/1 year
Deviation in characteristics	< 0.5 %
Output signal	4 ... 20 mA
Supply voltage	10 ... 30 V DC
Material, housing	316L / plastic PA
Protection	IP 65
Materials, wetted parts	
Process fitting	316L
Diaphragm	sapphire-ceramic®
Process seal	EPDM

**Accessories:** 1" Tri-clamp welding socket mounting with compression clamp