

DIFFERENTIAL PRESSURE SENSOR

VB20082024

Réf. BOG DM

FEATURES The BOG-DM is a pressure transmitter for detecting pressures and pressure differences in air treatment systems. The pressure measurement is temperature compensated according to the ambient temperature.



CARACTÉRISTIQUES & AVANTAGES

- The M models have an RS-485 connection for Modbus RTU communication. The MG-SOD tool is required for commissioning to set the Modbus parameters. The transmitter zero point is maintained accurately through the use of regular automatic zeroing, which eliminates possible zero point drift. No recalibration is normally necessary.
- The influence of process disturbances (e.g. turbulence) can be damped by selecting an adequate time constant (2 s or 8 s). The N models have a backlit display. The display resolution is 0.1 Pa for measured values below 200 Pa and 1 Pa for values above 200 Pa. The display can also be added after commissioning.
- MEASUREMENT RANGE SELECTION
- Factory setting the range 0...1000Pa is also used for custom range setting. The range limits can be changed using the setting tool: MGSOD.
- TIME CONSTANT SELECTION
- *) Factory setting
- WIRING
- TECHNICAL CHARACTERISTICS
- 24 VAC/DC, < 2 VA Power Supply 0...100, 0...200, 0...500, 0...1000 Range ± 3 Pa Accuracy ± 1 % of the displayed value (25 °C) above 400 Pa, ± 3 Pa Time Constant ± 2 % of the displayed value (25 °C) below 400 Pa Output *2 s or 8 s Protection Class 0...10 / 2...10 / 0...5 VDC, < 2 mA (IP) 4...20 / 0...20 mA, 700 Ω Ambient IP54, cable directed downwards Temperature 0...45 °C Cable Gland M16 Dimensions 105 x 102 x 46 mm
- ORDERING GUIDE AND REFERENCES
- REF NAME DESIGNATION
- AAC200 BOG DM Differential pressure transmitter AAC20A BOG DM-N Differential pressure transmitter with display AAC290 BOG DM-M Differential pressure transmitter with Modbus AAC29A BOG DM-M-N Differential pressure transmitter with display and Modbus AAC20A0 BOG-YS MG- Accessories BOG 2m flexible + tubes AAC29A0 SOD Transmitter commissioning tool
- DIMENSIONS