

BAROsense-M

Barometric pressure transmitter

RS485 Modbus-RTU output



Member of GHM GROUP

Barometric transmitter with digital RS485 Modbus-RTU or ASCII proprietary protocol output.

Equipped with a precision piezo-resistive pressure sensor with integrated temperature sensor. The pressure and temperature measurements are digitally processed to obtain a pressure output value compensated over the whole transmitter temperature operating range.

The sensor is factory calibrated and has excellent time stability and repeatability.

The digital output of the transmitter enables the transmission of the measurements over long distances and connects the transmitter to sensors networks. The pressure can be expressed in different user-selectable units of measurement.

Available with optional static port and support bracket (**BAROsense-MK**)



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TECHNICAL SPECIFICATIONS

Sensor	Piezoresistive
Measuring range	300...1100 hPa
Resolution	0.1 hPa
Accuracy	± 0.5 hPa (700...1100 hPa) @ 20 °C ± 1 hPa (500...1100 hPa) / ± 1.5 hPa (300...500 hPa) @ T=(0...60 °C)
Long-term stability	Max ± 1 hPa/yr
Output	RS485 with Modbus-RTU or ASCII proprietary protocol
Power supply	7...30 Vdc (consumption 4 mA @ 24 Vdc)
Connection	Internal screw terminal header / PG7 cable gland
Operating conditions	-40...+60 °C / 0...100%RH
Compatible media	Air and dry gases
Housing material	Polycarbonate
Housing dimensions	120 x 80 x 55 (excluding cable gland)

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