



DESCRIPTION

Robust, piezo-resistive **Δp-SENSOR-TRANSMITTER** with an excellent long-term stability and a considerable protection against high pressure. Up to **6** changeable **measuring ranges** and **3** linear **outputs: 0 - 10 V, 0 - 20 mA and 4 - 20 mA** can be integrated. The TRANSMITTERs are available with or without 3-digit digital display. **Power input:: 110-120 VAC, 230-240 VAC and 24 VDC** is connectable.

Examples: air conditioning and ventilation systems, medical applications, clean-room technology, filter and level monitoring, flow monitoring, industry, etc.

Compact, universal Δp-Sensor-Transmitter for measuring positive pressure, negative pressure or differential pressure. At the pressure connections, which are protected with integrated filters, the differential pressure (+ P1↑ and P2↓ -), the positive pressure (+ P1↑) or the negative pressure (P2↓ -) are measured, are simultaneously indicated by the 3-digit digital display (option -D-) and are subsequently transmitted via the three linear analogue outputs.

With the **3 measurable pressure values**, the **6 changeable measuring ranges** and the **3 analogue outputs**, up to **54** different **Transmitter** types can be obtained out of one single appliance. Thus the encountered stock keeping and service costs can be enormously reduced. Pressure measuring ranges from 0 - 0.5 mbar up to 0 - 10 bar are available. For air conditioning or ventilation applications with the almost always present turbulences, the integrated **adjustable** electronic **Δp-damping** of the outputs represents a further advantage.

FEATURES

- Pressure sensor overload-safe and temperature compensated
- Pressure connectors protected with integrated filters
- Up to 6 changeable measuring ranges in one appliance:
 - Group 1: 0 - 0,5 mbar up to 0 - 2 mbar
 - Group 2: 0 - 2 mbar up to 0 - 10 mbar
 - Group 3: 0 - 20 mbar up to 0 - 100 mbar e.g.: 20, 30, 40, 50, 60, 100 mbar
 - Group 4: 0 - 200 mbar up to 0 - 1000 mbar
 - Group 5: 0 - 1000 mbar up to 0 - 10 bar
 - Group 6 + 7: ± mbar pressure range with zero point of the analogue output in the middle at 5 V, 10 mA, 12 mA
±0,5, ±1, ±2, ±3, ±4, ±5, ±6, ±7, ±8, ±9, ±10, ±20, ±30, ±40, ±50, ±60, ±70, ±80, ±90, ±100 mbar
- 3 standard analogue outputs: 0-10 V, 0-20 mA, 4-20 mA, short circuit-safe
- Adjustable electronic damping: 1 s, 10 s, 20 s, 30 s
- Protection class IP 65
- Case with Ex-protection available, ATEX conform
- High reliability due to "burn in-function"

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