



DMP 339

Industrial **Pressure Transmitter**

Stainless Steel Sensor

accuracy according to IEC 61298-2: 0.35 % FSO

Nominal pressure

from 0 ... 60 bar to 0 ... 600 bar

Output signals

2-wire: 4 ... 20 mA

3-wire: 0 ... 20 mA / 0 ... 10 V

others on request

Special characteristics

- mechanical connection: G 1/4" flush
- suitable for viscous and pasty media

Optional versions

- **IS-version** Ex ia = intrinsically safe for gases and dusts
- several electrical connections
- customer specific versions

The DMP 339 industrial pressure transmitter features a G 1/4" flush pressure port and was designed for the use in a range of machinery including metering systems. It is ideal for measuring the pressure of viscous and pasty media, as only a small dead space is created.

Material accumulation, dripping and stringing in machinery is eliminated. This increases the efficiency and reliability of your machines.

The DMP 339 is available with various electrical connections, ensuring an excellent adaption to the application conditions.

Preferred areas of use are:



Plant and machine engineering

- especially conveyor plants and dosing systems



Hydraulics











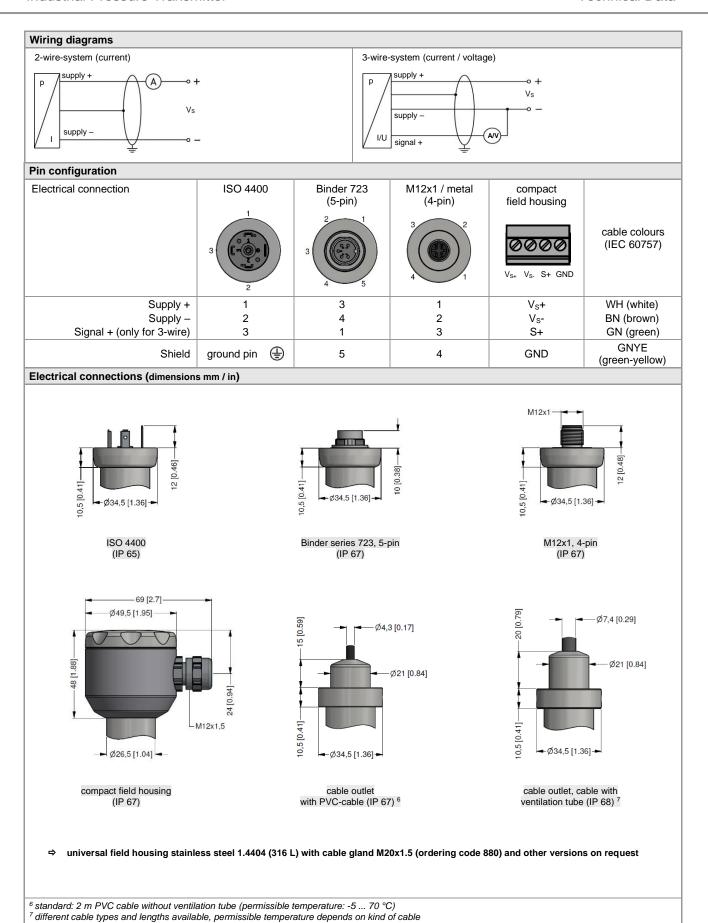


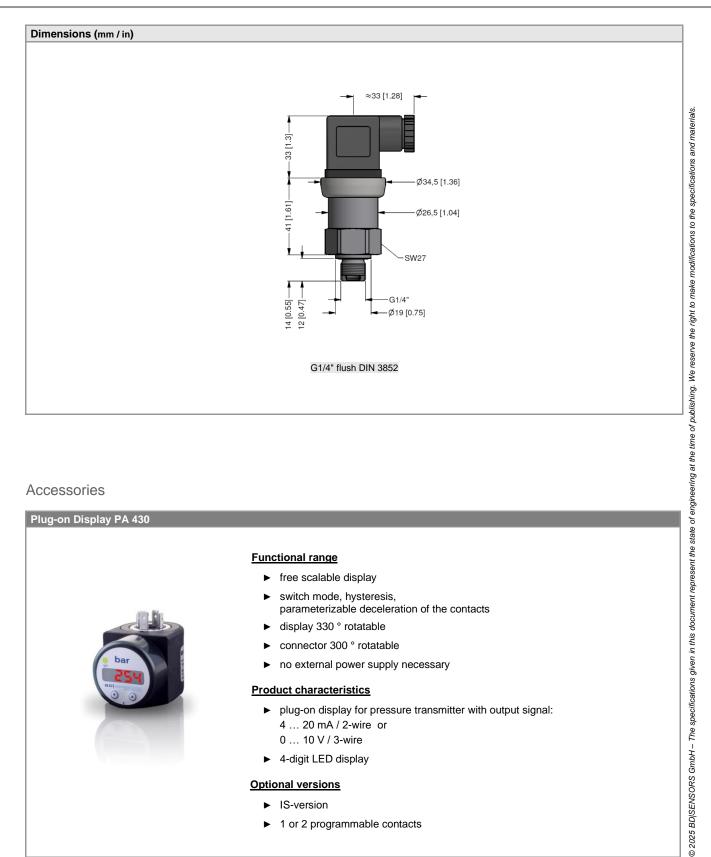


Industrial Pressure Transmitter

Input pressure range ¹							
Nominal pressure gauge / abs.	[bar]	60	100	160	250	400	600 ²
Overpressure	[bar]	210	210	600	600	1050	1050
Burst pressure ≥	[bar]	300	300	750	750	1200	1400
¹ nominal pressure p _N < 60 ² nominal pressure 600 ba							

2-wire: 4 20 mA / V _S = 8 32 V _{DC}						
2-wire: 4 20 mA / V _S = 10 28 V _{DC}						
3-wire: $0 \dots 20 \text{ mA} / V_S = 14 \dots 30 V_{DC}$ $0 \dots 10 V / V_S = 14 \dots 30 V_{DC}$						
≤ ± 0.35 % FSO						
$ \begin{array}{lll} & \text{current 2-wire:} & R_{\text{max}} = \left[\left(V_{\text{S}} - V_{\text{S} \text{min}} \right) / 0.02 A \right] \Omega \\ & \text{current 3-wire:} & R_{\text{max}} = 500 \Omega \\ & \text{voltage 3-wire:} & R_{\text{min}} = 10 \text{k} \Omega \\ \end{array} $						
supply: 0.05 % FSO / 10 V load: 0.05 % FSO / kΩ						
≤ ± 0.1 % FSO / year at reference conditions						
2-wire: ≤ 10 msec 3-wire: ≤ 3 msec						
imit point adjustment (non-linearity, hysteresis, repeatability)						
1						
/ ≤±1%FSO						
-20 85 °C						
20 00 0						
40 405.00						
-40 125 °C						
-40 85 °C						
-40 100 °C						
permanent						
no damage, but also no function						
emission and immunity according to EN 61326						
20 g RMS / 10 2000 Hz according to DIN EN 60068-2-6						
500 g / 1 msec half sine according to DIN EN 60068-2-27						
, 100 gr - 110 gr - 1						
stainless steel 1.4548 (17-4 PH ERS)						
stainless steel 1.4548 (17-4 PH ERS) stainless steel 1.4404 (316 L)						
stainless steel 1.4301 (304)						
cable gland M12x1.5, brass, nickel plated (clamping range 2 8 mm) FKM; others on request						
stainless steel 1.4435 (316 L)						
pressure port, diaphragm						
20 mA / 2-wire)						
IBExU 10 ATEX 1068 X						
provals IBExU 10 ATEX 1068 X / IECEx IBE 12.0027X zone 0: II 1G Ex ia IIC T4 Ga zone 20: II 1D Ex ia IIIC T135 °C Da						
s $U_i = 28 V_{DC}$, $I_i = 93 \text{ mA}$, $P_i = 660 \text{ mW}$, $C_i \approx 0 \text{ nF}$, $L_i \approx 0 \text{ µH}$, $C_{iGND} \approx 27 \text{ nF}$						
in zone 0: -20 60 °C with p _{atm} 0.8 bar up to 1.1 bar						
in zone 1 or higher: -40/-20 70 °C						
cable capacitance: signal line/shield also signal line/signal line: 160 pF/m cable inductance: signal line/shield also signal line/signal line: 1 µH/m						
signal output current: max. 25 mA						
signal output voltage: max. 7 mA						
approx. 120 g						
any 4						
·						
100 million load cycles						
·						





Accessories

Plug-on Display PA 430



Functional range

- ▶ free scalable display
- switch mode, hysteresis, parameterizable deceleration of the contacts
- display 330 ° rotatable
- connector 300 ° rotatable
- no external power supply necessary

Product characteristics

- ▶ plug-on display for pressure transmitter with output signal:
 - 4 ... 20 mA / 2-wire or
 - 0 ... 10 V / 3-wire
- ▶ 4-digit LED display

Optional versions

- ▶ IS-version
- 1 or 2 programmable contacts

DMP339_E_140425



Ordering code DMP 339 **DMP 339** Pressure 1 3 5 1 3 6 absolute Input [bar] 6 0 0 2 1 0 0 3 1 6 0 3 2 5 0 3 4 0 0 3 6 0 0 3 9 9 9 9 60 100 160 250 400 600 customer consult Output 4 ... 20 mA / 2-wire 1 0 ... 20 mA / 3-wire 2 0 ... 10 V / 3-wire intrinsic safety 4 ... 20 mA / 2-wire 3 Е 9 consult customer Accuracy 0.35 % FSO 3 customer consult male and female plug ISO 4400 male plug Binder series 723 (5-pin) 0 0 0 0 A 0 2 cable outlet with PVC cable (IP67) 3 cable outlet, Т R 0 cable with ventilation tube (IP68) 4 1 0 male plug M12x1 (4-pin) / metal compact field housing 8 5 0 stainless steel 1.4301 (304) 9 9 9 customer consult Mechanical connection G1/4" DIN 3852 F 0 2 with flush sensor customer 9 9 9 consult FKM 9 customer consult onsult on state of engineering at the time of publishing. We no 02020 BD|SENSORS GmbH - The specifications given in this document represent the state of engineering at the time of publishing. We no Special version standard 0 0 0 9 9 9 customer consult

modifications to the

the right to make

¹ nominal pressure gauge p_N < 60 bar on request

² nominal pressure 600 bar without UL certification

³ standard: 2 m PVC cable without ventilation tube (permissible temperature: -5 ... 70°C), others on request

⁴ code TR0 = PVC cable, cable with ventilation tube available in different types and lengths