

Electronic Pressure Sensor – Type HDT:

- Measuring ranges
  from 0…1bar to 0…600bar
- Output: 4…20mA or 0…10V
- Non-linearity 0,5%
- Electrical connection: M12x1 or
  DIN EN 175301-803A
- Fluid connection: G1/4 A DIN 3852-E
- Wetted parts stainless steel
- For general industrial applications

Order code

HDT - A - BBB - C - D - E

A	Output	
	4 = 4…20mA	2-Leiter
	5 = 0…10V	3-Leiter

C	Measuring principle	
	P = piezoresistiv	≤ 6bar
	A = thin film cell	≥ 10bar

BBB	Measuring range	
	001 = 0…1bar	pmax = 3bar
	006 = 0…6bar	pmax = 12bar
	010 = 0…10bar	pmax = 20bar
	100 = 0…100bar	pmax = 200bar
	250 = 0…250bar	pmax = 500bar
	400 = 0…400bar	pmax = 800bar
	600 = 0…600bar	pmax = 1.200bar

D	Fluid connection
	3 = G1/4" DIN3852

E	Electrical connection
	1 = DIN EN 175301-803 A incl. plug
	2 = plug M12x1

Order sample: HDT-4-010-A-3-2

Electronic Pressure Sensor HDT
Output: 4…20mA
Measuring range: 0…10bar
Measuring principle: thin film cell
Fluid connection: G1/4“ A DIN3852
E-connection: plug M12x1

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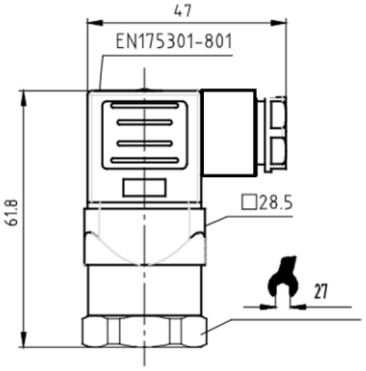
Technical Data

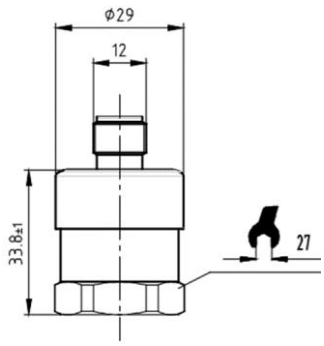
Construction:	gauge pressure measurement SW27	
Unit:	bar (psi, kPa, kg/cm² on request)	
Overpressure limit:	2 x measurement range, vacuum resistant	
Service life:	100 Mio. load cycles	
Accuracy:	≤ 1% at room temperature	
	incl. non-linearity, hysteresis, zero offset and end value deviation	
Output signal:	0…10V (3-wire)	4…20mA (2-wire)
Power supply:	14…30VDC	8…30VDC
Current consumption:	8mA	Signal current, max. 25mA
Load:	10V/1mA	(power supply – 8V) / 0,02A
Temperature range:	-30…+100°C	
Wetted parts:	stainless steel 316 (≤6bar also 13-8 PH)	
CE-Sign:	acc. to EU-standards 2014/68/EU (PED), 2014/30/EU (EMC)	
Protection class:	IP65 acc. to DIN EN 60529	DIN 175301-803 A
	IP67 acc. to DIN EN 60529	M12x1
Shock resistance:	500g acc. to IEC 60068-2-27	
Vibration resistance:	10g acc. to IEC 60068-2-6	
Weight:	0,15kg	

Please contact the technical support for alternatives or special requirement.
Subject to technical alternations!

Electrical connection data - dimensions

		DIN EN 175301-803 A		M12x1	
					
		2-wire	**3-wire**	**2-wire**	**3-wire**
UB	Positive power supply	1	1	1	1
0V	Negative power supply	2	2	3	3
S+	Analogue output	-	3	-	4





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