

Characteristics

- Piezo-resistive measurement element
- Robust, compact design
- Diaphragm & housing from stainless steel
- High accuracy

Applications

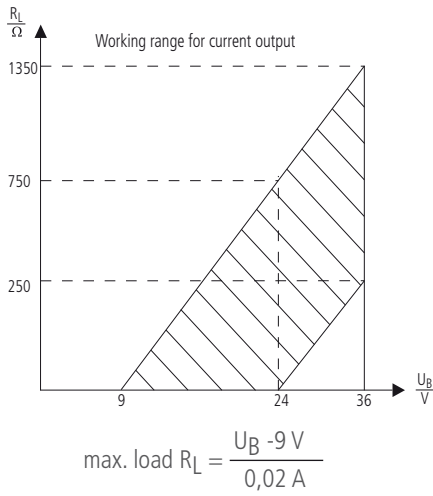
- Mechanical engineering
- Industrial control
- Filter supervision
- Flow measurement



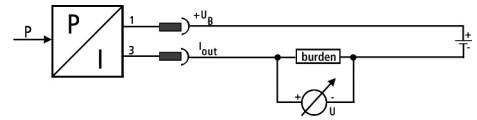
Technical data

Differential pressure range	bar	0 ... 0.1 bar to 0 ... 20 bar, special ranges without extra charge								
Standard pressure range	bar	0.1	0.2	0.5	1.0	2.0	5.0	10	20	
Overload pos. side contra neg. side	bar	2.5	2.5	2.5	3	4	10	20	40	
Overload neg. side contra pos. side	bar	1	1	1	2	3	5	7	10	
Linearity	% FS (typ.)	0.25								
Pressure hysteresis and repeatability	% FS	0.1								
TC offset	% FS/10K	0.6	0.3	0.2	0.1 (10 ... 40°C)					
		1.2	0.6	0.3	0.2 (10 ... 85°C)					
TC span	% FS/10K	0.3	0.2	0.1						
Long term stability	% FS p.a.	1.2	0.7	0.3	0.2	0.1 (10 ... 40°C)				
Media temperature range	°C	-10 ... +85								
Operating temperature range	°C	-10 ... +85								
Store temperature range	°C	-25 ... +125								
Excitation voltage		9 ... 30 VDC					allowable ripple at 50 Hz: 10% 14 ... 30 VDC (voltage output)			
Output signal		4 ... 20 mA (2-wire-technique); 0 ... 20 mA (3-wire-technique); 0 ... 10 V								
Electrical connection		M12 connector Connector acc. to EN 175301-803 (DIN 43650); 4 pol. MPM connector (M12 mating plug not included in delivery) reverse polarity and short-circuit protection								
Pressure connection		G 1/4", more windings on request								
Material absorption		1.4571								
Material membrane		1.4435								
Protection class		IP 67 (M12 connector), IP 65 (other connectors)								
EMC		EN 61000-6-2								
		EN 61000-6-3								

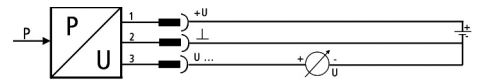
Differential Pressure Transmitter D02



Electrical connection in 2-wire-technique



Electrical connection in 3-wire-technique



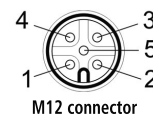
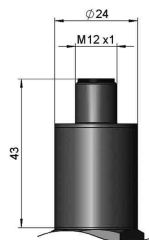
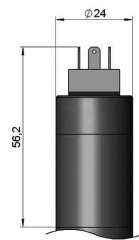
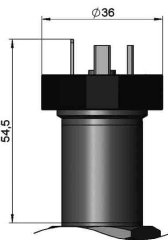
Connection M12-connector

	4 - 20 mA	0 - 20 mA 0 - 10 V
+UB	1	1
GND	—	2
Signal	3	3

Housing / connector
DIN 175301-803 (DIN 43650)

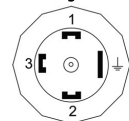
MPM

M12

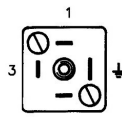


M12 connector

Pin assignment

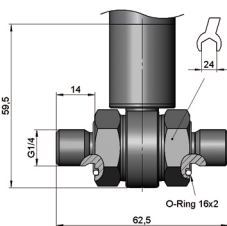


Connector according to
DIN 43650

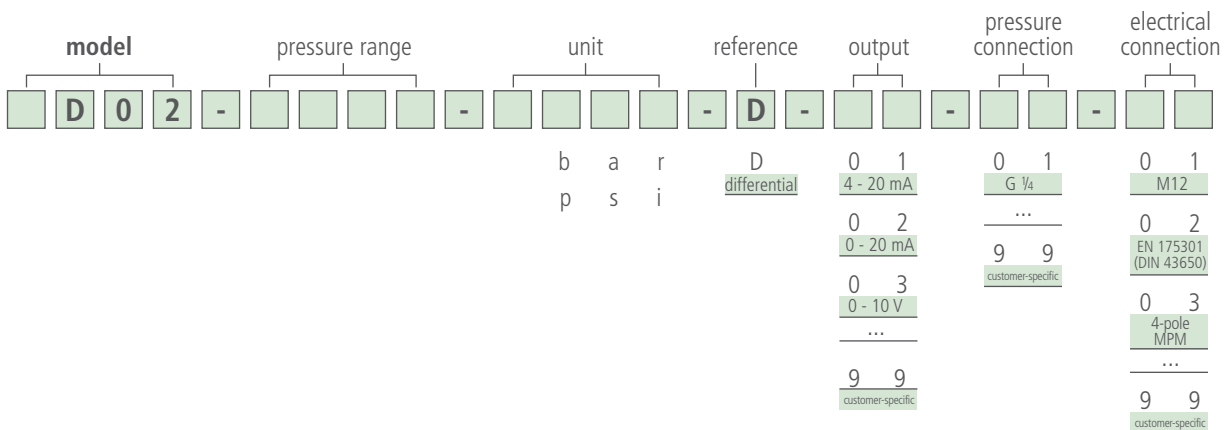


MPM connector

Pressure connection
G 1/4"



Order codes overleaf!

Order codes

**Sensor-Technik Wiedemann GmbH
Steuer- und Regelelektronik**

Am Bärenwald 6
87600 Kaufbeuren
Germany
Telephone +49 (0) 8341 9505-0
Telefax +49 (0) 8341 9505-55
E-Mail info@sensor-technik.de
Internet www.sensor-technik.de

**STW-Technic, LP
Mobile Controllers and
Measurement Technologies**

3000 Northwoods Parkway, Suite 260
Norcross, GA 30071, USA
Telephone +1 (770) 242-1002
Telefax +1 (770) 242-1006
E-Mail sales@stw-technic.com
Internet www.stw-technic.com

Sensor-Technik UK Ltd.

Unit 1, Stoke Mills
Mill Road
Sharnbrook, Bedfordshire
MK44 1NN England
Telephone +44 (0) 1234 7820-49
Telefax +44 (0) 1234 7820-56
E-Mail info@sensor-technik.co.uk
Internet www.sensor-technik.co.uk