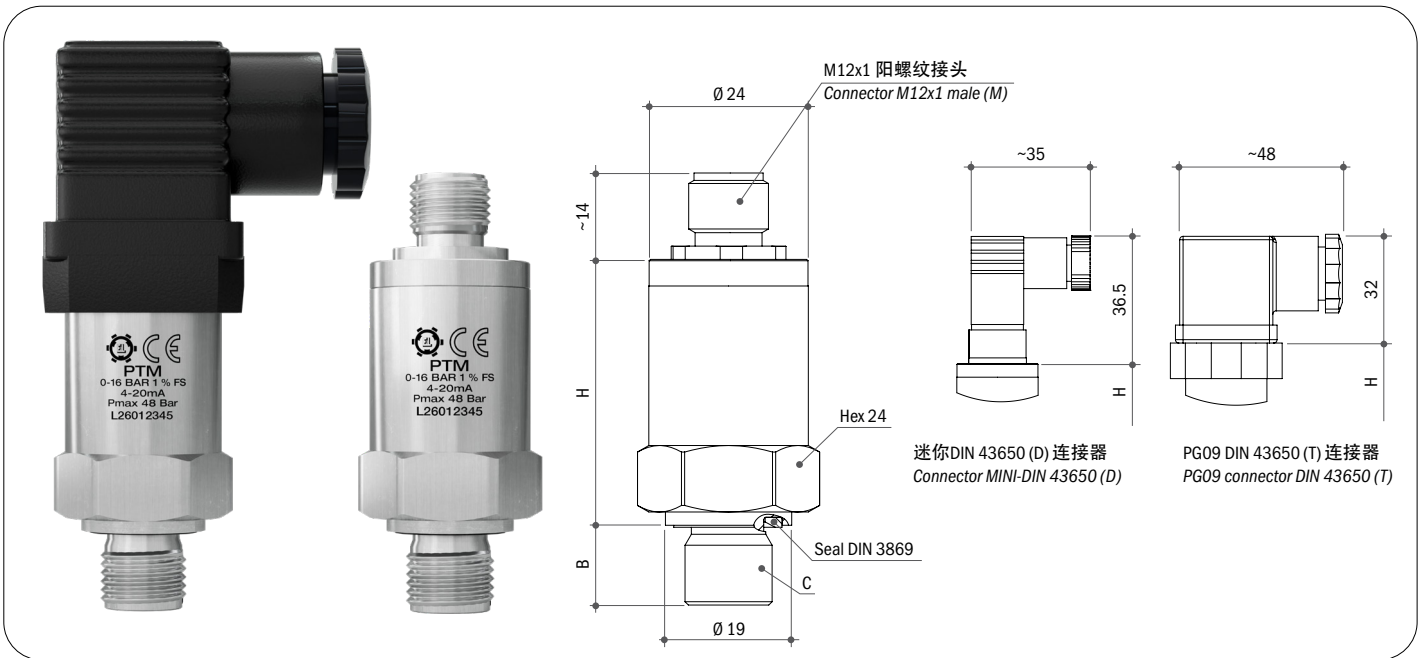




电源电压	24 Vdc; (12÷30 Vdc) (I ≤ 24 mA)	Supply voltage	24 Vdc; (12÷30 Vdc) (I ≤ 24 mA)
电流信号输出	4-20 mA (2引脚)	Output signal current	4-20 mA (2pins)
电压信号输出	0÷10 V (3引脚); 最小负载 1kΩ	Output signal voltage	0÷10 V (3pins); min. load 1kΩ
接线保护	防止电源极性反转和输出信号短路	Wiring protection	Against reverse polarity on power supply and short-circuit on output signal
响应时间	≤ 10 ms	Response time	≤ 10 ms
技术	压阻式	Technology	Piezoresistive
稳定性	≤ ±0.5% F.S./年 @ 25°C (其他规格可按要求提供)	Stability	≤ ±0.5% F.S./year @ 25°C (other on request)
准确度	≤ 1% F.S. @ 25°C	Accuracy	≤ 1% F.S. @ 25°C
线性/滞后/可重复性	≤ ±0.7% F.S.	Linearity/Hysteresis/Repeatability	≤ ±0.7% F.S.
工作温度	-25°C至+85°C	Environment temperature	-25°C to +85°C
流体温度	-25°C至+125°C	Fluid temperature	-25°C to +125°C
存储温度	-40°C至+105°C	Storage temperature	-40°C to +105°C
浸润部件材料	本体: AISI 304 不锈钢、AISI 316 不锈钢; 密封件: NBR	Wetted parts material	Body: AISI 304 stainless steel, AISI 316 stainless steel Seals: NBR
传感器材料	压阻式陶瓷	Sensor material	Ceramic piezoresistive
流体兼容性	油、空气、水、水-乙二醇; 其他介质请联系我司技术部门	Fluid compatibility	Oil, air, water, water-glycol; for other fluid please contact our technical office
螺纹连接	G 1/4" 圆柱螺纹 (其他规格可按要求提供)	Process thread	G 1/4" parallel (others available on request)
拧紧扭矩	20 Nm	Tightening torque	20 Nm
防护等级	IP65	Electrical protection	IP65
电气连接	M12×1 4针公头、Mini-DIN 43650 PG07、 DIN 43650 PG09 (Packard 可选)	Electrical connection	M12x1 N.4 poles male, Mini-Din 43650 PG07, DIN 43650 PG09 (Packard optional)
电磁兼容性 (EMC)	2014/30/EU指令和产品标准 EN 55032:2015, EN55035:2020	Electromagnetic comp. (EMC)	2014/30/UE Directive and EN 55032:2015, EN55035:2020
符合RoHs标准	2011/65/EU (ROHs) 和2012/19/EU指令(WEEE)	RoHs conformity	2011/65/EU (ROHs) and 2012/19/EU Directives (WEEE)

安装和调试 / Installation and commissioning

1. 安装: PTM传感器应尽可能安装在靠近压力测量点的地方, 注意流体流向不湍急。
 2. 调试: 根据电气连接图进行布线。在连接和断开换能器连接器之前, 请关闭电源。
 3. 处置: 该产品必须按照2011/65/EU (ROHs) 和2012/19/EU (WEEE) 指令, 作为电气/电子废物单独处置。
1. Installation: the PTM transducer must be installed as near as possible to the point where the pressure is measured, taking care that the oil flow is not turbulent.
 2. Commissioning: cable as shown in the electric scheme. Switch-off the power supply before connecting and disconnecting the transducer connector.
 3. Disposal: the product must be disposed separately as electric / electronic waste, following 2011/65/EU (ROHs) and 2012/19/EU (WEEE) directives.

如何订购 / HOW TO ORDER

PTM	100	G	C	V	W	M	R14	SM
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型号 / Model
PTM

选项 / Options
SM 阻尼器 / Damper

压力 / Pressure			
/	范围 / Range	过载 / Overload	爆破 / Burst
2	0÷2	3	4
5	0÷5	8	10
6	0÷6	9	12
10	0÷10	15	20
16	0÷16	24	32
20	0÷20	30	40
50	0÷50	75	100
100	0÷100	150	200
200	0÷200	300	400
250	0÷250	375	500
400	0÷400	600	800
600	0÷600	900	1200

电气连接 / Electric connection		
M	M12 阳接头 / Male	H=38.5 mm
D	Mini DIN 43650 PG07	H=35 mm
T	DIN 43650 PG09	H=40.5 mm

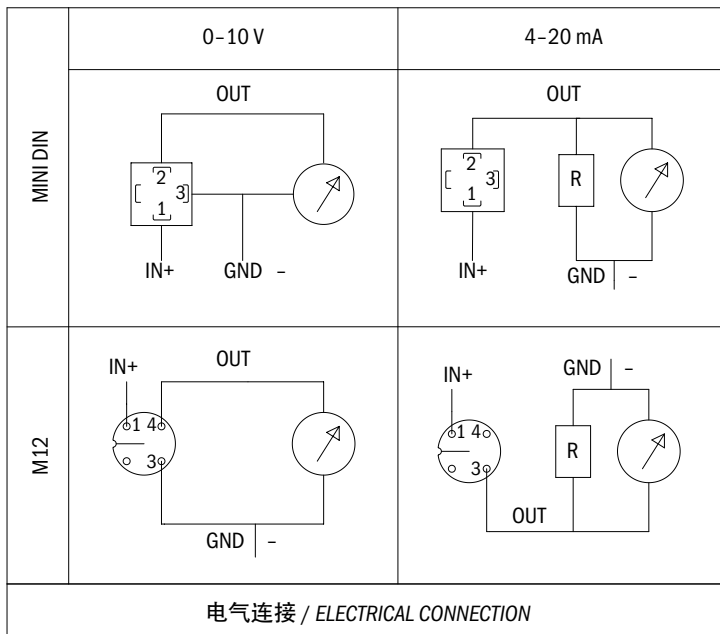
本体 / Body	
I	304不锈钢 / S.s. 304
W	316不锈钢 / S.s. 316
*可按要求提供 / On request	

输出 / Output	
V	0 - 10 V
I	4 - 20 mA

压力 / Pressure	
G	相对 / Relative

精度 / Accuracy	
A	≤1% F.S.

电气连接 / ELECTRICAL CONNECTIONS



最大的电阻R分流(Ω)来自:
The max. resistance R shunt (Ω) is given from:

$$R \text{ 分流 } \Omega = \frac{V \text{ 电源 / supply} - 7.5}{0.03}$$

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Elettrotec reserves the right to technical data of change to the products or halt production without prior notice. The pressure controller contacts can be damaged when subject to strong shocks or high vibration. It is the responsibility of the user to test the suitability of our products for the particular application, for example, the verification of material compatibility. The use may only be appropriate if proven in field tests. The technical information in this catalogue are based on tests made during product development and based on empirically gathered values. They may not be applicable in all cases.