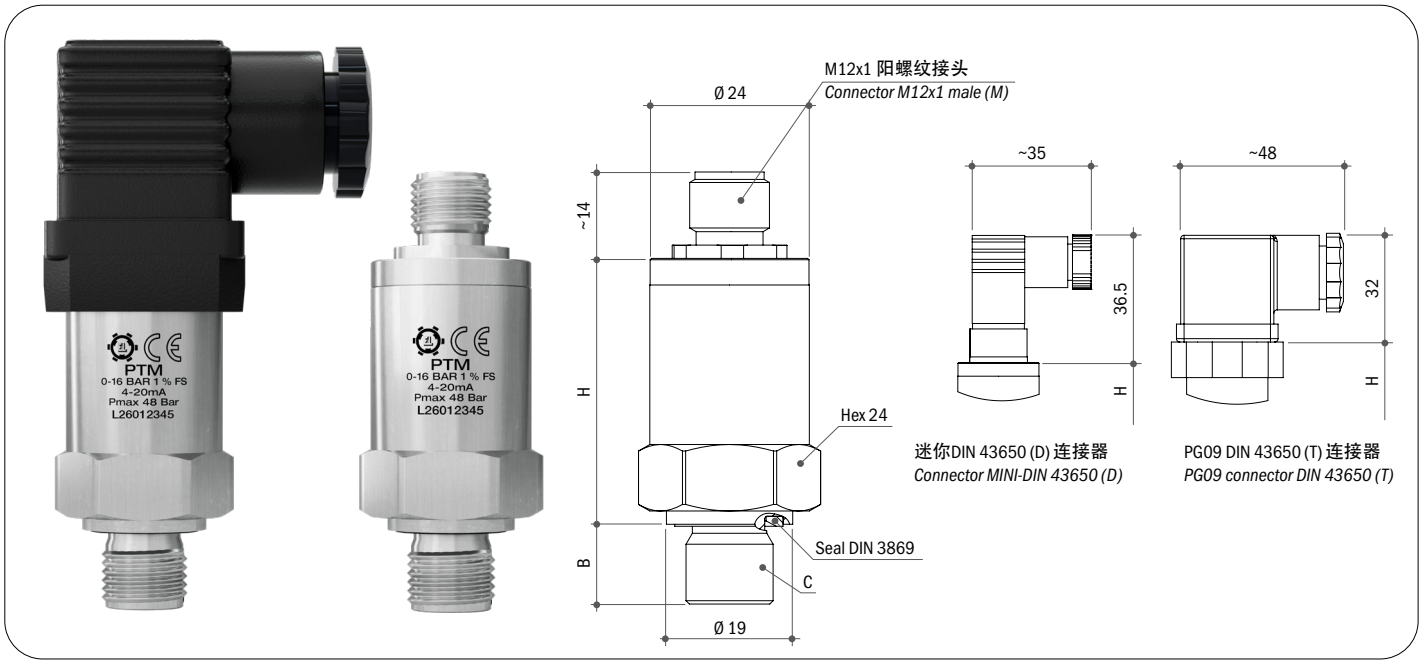
PTM 工业压力变送器
OEM pressure transducers



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.*

PTM 工业压力变送器
OEM pressure transducers

如何订购 / *HOW TO ORDER*

PTM	100	G	C	V	W	M	R14	SM

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

压力 / *Pressure*

G	相对 / *Relative*

精度 / *Accuracy*

A	≤1% F.S.

输出 / *Output*

V	0 - 10 V
I	4 - 20 mA

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*	

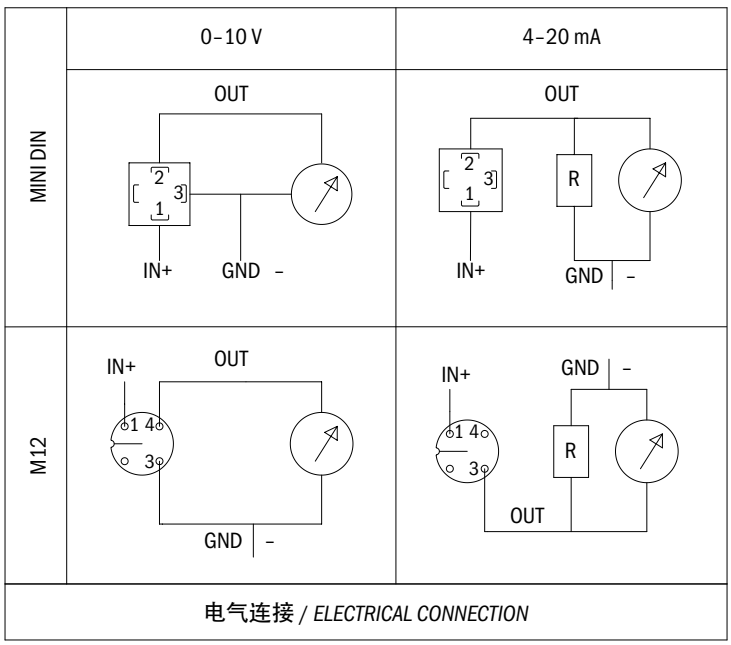
螺纹 / *Thread*

“C”		“B”
R14	G 1/4 BSPP 平行 / *Parallel*	12

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

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:

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

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