



电源电压	24VDC; (10÷35VDC, 电流 ≤ 30mA 输出电流); (12÷35VDC 电流 ≤ 8mA 输出电压)	Supply Voltage	24VDC; (10÷35VDC, I ≤ 30mA output I); (12÷35VDC I ≤ 8mA output V)
电流信号输出	4-20mA (2引脚); 电流限制: 30mA	Output signal Current	4-20mA (2pins); current limitation: 30mA
电压信号输出	0÷10V (3引脚); 最小负载 3 KΩ	Output signal Voltage	0÷10V (3pins); minimum load 3 KΩ
接线保护	防止电源反极性和输出信号电源短路	Wiring protection	Against reverse polarity on power supply and short-circuit on output signal
响应时间	≤ 5ms	Response time	≤ 5ms
技术	压阻式	Technology	Piezo-resistive
稳定性	≤ ±0.3%FS/年 @ 25°C	Stability	≤ ±0,3%FS/year @ 25°C
精度	≤ 1% FS @ 25°C	Accuracy	≤ 1% FS @ 25°C
线性/滞后性/重复性	≤ ±0,4% FS	Linearity/Hysteresis/Repeatability	≤ ±0,4% FS
工作温度	-25°C ÷ 100°C	Operating temperature	-25°C ÷ 100°C
流体温度	-25°C ÷ 125°C	Fluid temperature	-25°C ÷ 125°C
储存温度	-40°C ÷ 135°C	Storage temperature	-40°C ÷ 135°C
接液部件材料	本体: AISI 316 不锈钢 密封件: 聚氨酯、NBR	Wetted parts material	Body: AISI 316 stainless steel Seals: polyurethane, NBR
传感器材料	陶瓷氧化铝 96%	Sensor material	Ceramic Al ₂ O ₃ 96%
流体相容性	油、水、水-乙二醇和其他流体 请联系我们的技术部门	Fluid compatibility	Oil, water, water-glycol, and other fluid please contact our technical office
拧紧扭矩	20 Nm	Tightening torque	20 Nm
电气连接和防护等级 (EN 60529)	M12 1x4 引脚阳螺纹接头 - IP67 Mini-Din 43650 连接器 - IP65	Electrical connection and Protection degree (EN 60529)	M12 1x4 pins male connector - IP67 Mini-Din 43650 connector - IP65
电磁兼容性 (EMC)	2014/30/UE 指令和 EN 61326-1 (2013) 标准	Electromagnetic comp. (EMC)	2014/30/UE Directive and EN 61326-1 (2013) standard
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: PTE传感器必须尽可能地靠近被测量的压力点安装, 注意流体流向不湍急。
2. 调试: 根据电气连接图进行接线。在连接和断开传感器连接器之前, 请断开电源。
3. 处置: 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。

如何订购 / HOW TO ORDER

型号 / Model: PTE 100 G A V W M R14 SG

/	范围 / Range	过载 / Overload	爆破 / Burst
2	0÷2	4	6
5	0÷5	10	12
10	0÷10	15	20
20	0÷20	35	50
50	0÷50	100	120
100	0÷100	150	200
200	0÷200	300	400
250	0÷250	350	500
400	0÷400	500	650

SG	脱脂 / Degreased
TG	测试气体 / Tested gas
SM	阻尼器 / Damper
-	无选项 / No options

C	螺纹 / Thread	B
R14	G 1/4" BSPP	12
R18	G 1/8" BSPP	10

M	M12 阳接头 / male
D	Mini DIN 43650

W	316不锈钢 / S.S. 316
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V	0 - 10 V
I	4 - 20 mA

A	≤ 1 % f.s.
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G	相对 / relative
A	绝对的 / absolute*

* 仅适用于5-10巴 / only for 5-10 bar

电气连接 / ELECTRICAL CONNECTIONS

	0-10 V	4-20 mA
MINI DIN		
M12		

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

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

电气连接 / ELECTRICAL CONNECTION

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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.