PIEZORESISTIVE PRESSURE TRANSMITTER

PT-03

SPECIAL FEATURES

Can be adjusted on zero and full-scale output
High Stability ,High Reliability
Short Circuit Protection and reverse polarity protection
Measurable Gauge Pressure, Absolute Pressure &
Seal Reference pressure.



2014/34/EU

Reach

RoHS

SPECIFICATIONS

Pressure Range :-1...0~0.1...1000 bar
Over Load : 2 times @ FS 1100 bar (Take the small value)
Pressure Type : Gauge , Absolute or Sealed Gauge
Output Type : Current Type , Voltage Type
Power Supply : Current Type - 9~30VDC
Voltage Type - 12~30VDC
Output Signal : Current Type - 4mA~20mA DC (2 Wire)
Voltage Type - 0/0.5/1 V ~ 5/4.5/10 VDC
(3 wire)
Compensation Temperature : 14℉ (-10℃) ~ 176℉ (80℃)
Operating Temperature : -22℉(-30℃) ~ 176℉(80℃)
Storage Temperature : -40℉ (-40℃) ~ 257℉ (125℃)
Housing : SS
Sensor : SS 316L
Seal Ring : Viton
Cable : DIA 7.5mm Special cable for Polyethylene
Protection Class : IP 65 (Plug) , IP 68 (Cable)

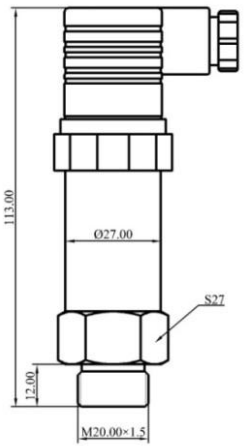
APPLICATIONS

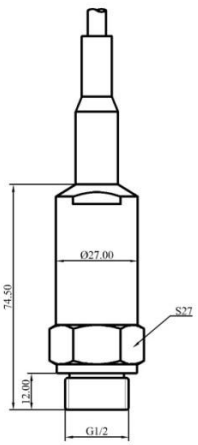
Petroleum, Chemical Industry , Electric Power
Urban Water Supply, Hydrologic Exploration , Hydraulic Industry

ACCURACY

Accuracy: ±0.25% F.S (Typical) , ±0.5% F.S (Max.)
Zero and Full Scale Temperature Coefficient : 0.03% FS /℉(℃) at (≤1 bar) ,
0.02% FS /℉(℃) at (>1 bar)
Long Term Stability : ±0.3% F.S / Year

Structure and Dimension (mm)

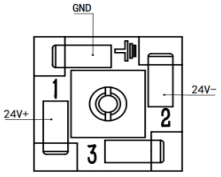




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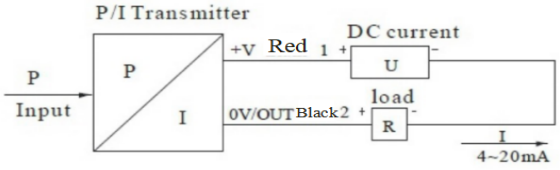
PT-03

ELECTRICAL CONNECTIONS

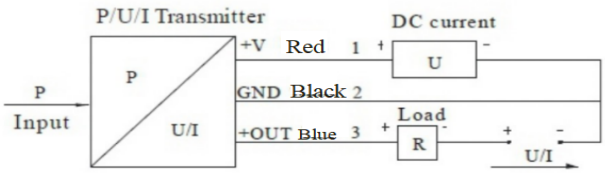


Pin	2-wire	3-wire	Color
1	(+V)	(+V)	RED
2	(0V/+OUT)	(GND)	BLACK
3	null	(OUT)	BLUE

Electric Connection for transmitter output 2-wire 4-20mAD



Electric Connection for transmitter output 3-wire 0/1-5VDC



HOW TO ORDER

Example

ACTUAL PRESSURE MEASURING RANGE — X

PRESSURE TYPE

G GAUGE **A** ABSOLUTE **S** SEALED GAUGE — X

SIGNAL OUTPUT

E 4mA~ 20mA DC **J** 0V~5V DC
F 1V~ 5 V DC **V** 0V~ 10V DC — X

MATERIAL

CODE	DIAPHRAGM	PRESSURE PORT	HOUSING
22	SS316L	SS	SS
24	SS316L	SS316L	SS316L
26	HASTELLOY-C	SS	SS

XX

CONNECTION

B1 PLUG CONNECTION **B2** CABLE CONNECTION — XX

CONNECTION SIZE-FLUSH DIAPHRAGM

1BM 1/8"BSP(M) **1NM** 1/8"NPT(M) **1TM** 1/8"BSPT(M) **2BM** 1/4"BSP(M) **2NM** 1/4"NPT(M)
2TM 1/4"BSPT(M) **3BM** 3/8"BSP(M) **3NM** 3/8"NPT(M) **3TM** 3/8"BSPT(M) **4BM** 1/2"BSP(M)
4NM 1/2"NPT(M) **4TM** 1/2"BSPT(M) **4MM** M20X1.5(M) **YM** 1"SANITARY SEAL
YN 1 1/2" SANITARY SEAL **YO** 2" SANITARY SEAL **YP** 2 1/2" SANITARY SEAL — XX

ORDER NOTE

1. Please try to fully understand the pressure detection point of the media status, pressure range and other working condition to avoid the necessary losses cause by unreasonable use of the product.
2. Although the product has designed a variety of protection measures but for extreme applications such as the scene with strong lighting applications should ensure that the power supply grounding and install anti-lighting protection device to minimize the probability of the product failure.
3. We can provide special design and manufacturing for special application , welcome to consult the customer negotiations Tel: +91 08852-294678/ +65 9372 9989
   E-mail : snreddy@elite-instruments.com (Technical Support),
   sales@elite-instruments.com (Sales Support).We will provide detailed technical support until you satisfied.

Ordering Example: PT-03-X-X-XX-XX-XX-X