

Digital Pressure Transmitter XY-PTGD

Typical Feature

- Low power consumption with battery supply
- Output 0.5-2.5V or RS485 electrical signal output
- Measurement range -0.1~250Mpa, composite range is available
- Accuracy 0.5%FS; 1%FS
- Weld measurement field, even corrosion and easy crystallize medium
- Stainless Steel material with fully sealed structure
- Customized structure diversification is available









Brief Introduction.

XY-PTGD digital pressure transmitters is a low power consumption pressure transducers, designed for the IoT(Internet of Thing), such as fire water pipe network, water supply, heating, etc. Supply power is 3.3V, and maximum operating current should be lower than 0.9mA.

XY-PTGD is kind of pressure transmitter/transducer with digital display. Stainless steel shell and laser-welded construction, IP65 ingress protection, and safety explosion-proof, all these performances allow this product to withstand harsh rugged application environments. It has excellent functions, such as high precision, fast response, small size, light-weight, stable and reliable, strong overload capacity; The digital pressure transducer is designed for most medium in industry, such as air, oil, water and other fluid; 0.5-2.5V or RS485 electrical signal output; Measurement Range 0~250MPa, other measurement range is optional. Thoughtful specialized electric circuit design; low power consumption digital pressure transducers with low power pressure sensor but high accuracy 0.5%;1%; Long-Term Stability $\pm 0.02\%/FS/Year$.

Machinal joint include thread, flush diaphragm, clamp, flange, radiator and differential two-way Fitting.

Suggested Applications

-  Fire water pipe network
-  Heating
-  Intelligent water pipe net
-  Medical equipment
-  Automatic control and inspection systems
-  Application that require battery power

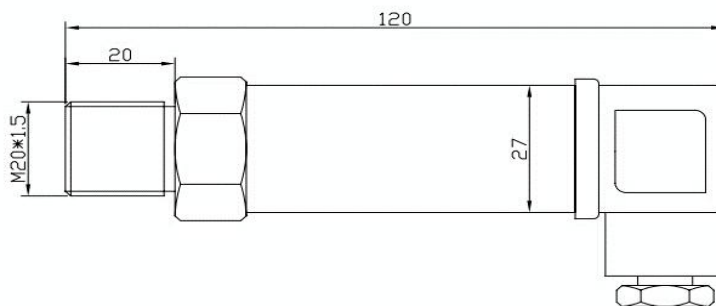
More details for XY-PTGD, please contact us.

Specification

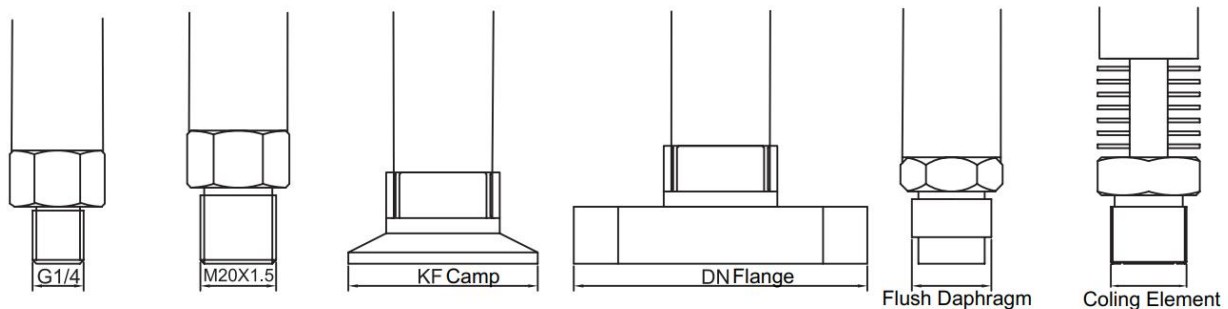
| Model | XY-PTGD |
|------------------------|--|
| General Pressure Range | 0...0.16...0.25...0.4...0.6...1.0...1.6...2.5...5...10...25...40...60MPa |
| Micro-pressure Range | 0...1...2.5...4...6...10...25...40...60...100KPa |

| | |
|--------------------------|---|
| High-pressure Range | 0...100...160...200...250MPa |
| Composite Range | -100...-60...-10...-5 ~ 0...5...10...60...100...1000KPa |
| Pressure Type | Gauge Pressure Test |
| Dimension | Diameter Φ27 |
| Overload Capacity | 200%(≤10MPa); 150%(>10MPa) |
| Measurement Medium | Gas or Liquid with Compatibility of SS 304 or SS 316 |
| Output Single | 0.5 ~ 2.5V or RS485 |
| Power Supply | 3.3V |
| Working Current | 0.9mA (Max) |
| Accuracy | 0.5%; 1% |
| Long-Term Stability/Year | Typical: ±0.2% FS/Year |
| Zero Temperature Drift. | Typical: ±0.02%FS/°C; Maximum ±0.05%FS/°C |
| Response Time | ≤10ms |
| Settling Time | <100ms |
| Operation Temperature | -20 ~ 60°C |
| Compensation Temperature | 0 ~ 60°C |
| Load Resistance | ≤(U-15)/0.02 Ω |
| IP Protection Class | IP65; IP67 |

Dimension(mm)



Mechanical Connection(mm)



Electronic Connection

| | | |
|--------------------|---------|-------|
| 4-20mA(2-Wire) | Input + | Red |
| | Output+ | Black |
| 0-10V,0-5V(3-Wire) | Input + | Red |
| | Input - | Black |
| | Output+ | Green |

How To Order

| XV-PT | G | KF | 4M | 1 | A | P2 | M3 | B1 | T1 | L |
|-------|---------------------|----------------|----------|---------------|-------|--------|-----------------------|---------------|------------|---|
| Type | Pressure Connection | Pressure Range | Accuracy | Output | Power | Thread | Electrical Connection | Temperature | Additional | |
| G | None | XK (0-XkPa) | 1 | A | P1 | M1 | A | T1 | L | |
| GA | P | XB (0-XBar) | 2 | R | P2 | M2 | B | T2 | I | |
| DP | DP | XM (0-XMPa) | 3 | V1 | P3 | M3 | C | T3 | | |
| GR | KF | CC Customized | 4 | V2 | P6 | M4 | CC Customized | T9 Customized | | |
| GT | DN | | 9 | V3 | P9 | M5 | | | | |
| MT | 1210 | | | CC Customized | | M7 | | | | |
| MK | 9999 | | | | | M9 | | | | |
| HF | | | | | | | | | | |
| A | | | | | | | | | | |
| B | | | | | | | | | | |
| C | | | | | | | | | | |
| M | | | | | | | | | | |
| W | | | | | | | | | | |

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