

PTA 103D-G



GENERAL

- High precision pressure transmitter with local display
- Measuring ranges from 0~0.01 to 100Mpa
- Advanced piezoresistive silicon pressure sensor
- Excellent accuracy and long term stability
- Extremely high proof pressure
- Customized Led Segment(LCD) display with 4~20mA 4(2) wire Output Signal
- Exd IIC T6, IP67
- 1SPDT Replay Contact • RS 485 Modbus RTU.

APPLICATIONS

- Standard hydraulic and pneumatic equipments
- Regulation system of transmission line LPG and LNG
- Machine tools and automatic machinery
- Flow control and water treatment
- Oil and off-shore industry
- Equipments for chemical petrochemical industry
- Automation system and plant engineering
- Liquid level measurement

SPECIFICATIONS

GENERAL

| | |
|-----------------------|---|
| Maximum Pressure : | Rated Range×3 |
| Media Compatibility : | Air, oil Liquid |
| Pressure Range : | Air : 0~200pascal to 0.2Mpa Liquid : 0.01~200Mpa |

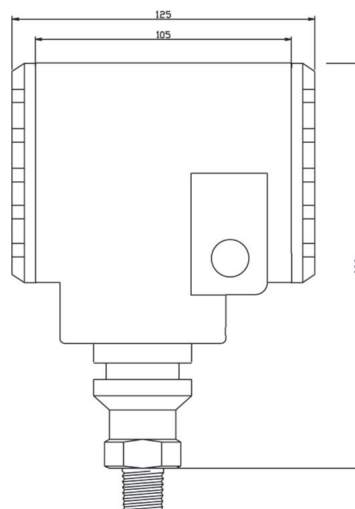
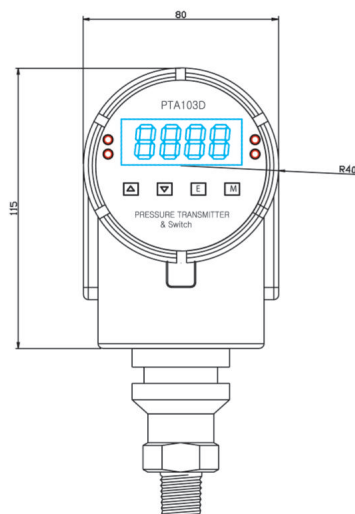
ELECTRICAL

| | |
|----------------|--------------------------|
| Power supply : | DC24V |
| Connections : | PF 1/2", Female |
| Warm up Time : | 1 minutes |
| DISPLAY : | 4 Digit LED Segment(LCD) |

PERFORMANCE AT 23°C

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|-------------------------|---|
| Zero Output : | 4mA |
| Full Span Output : | 20mA |
| Accuracy : | ± 0.5FSO (Includes Linearity, Hysteresis & Repeatability) ±0.25% Option |
| Operating Temperature : | 0~70°C |

Dimension >>>>



SPECIFICATIONS

MECHANICAL

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|--------------------|--|
| Process connection | PT1/4", PT3/8", PT1/2" male thread Other connections available on request |
| Process media | Compatible with stainless steel 316 |
| Materials | Wetted part : Stainless steel 316 |
| Housing | Aluminum Die-casting |
| Enclosure rating | IP67 |
| Weight | Approx.(1.5kg) |

TRANSMITTER

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|-----------------|-------------------------------|
| Output Signal | 4~20mA DC (limited at 40mADC) |
| Loop Resistance | 0~1100 ohm |
| Zero & Span | One touch adjustable on Panel |

SWITCH

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|----------------|------------------------|
| Relay Contact | 1SPDT(NC-COM-NO) |
| Contact Rating | 2A 30V DC |
| Connections | 3 Screw terminal block |
| Level Setting | Local Setting |

COMMUNICATIONS

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|---------------------------|
| RS 485 Modbus RTU, RS 232 |
|---------------------------|

Ordering Information

PTA103D-G
(Model)

| | | | | | |
|---|----------------------------|---|---------------------------------|--|-------------------------------------|
| A | 2 | A | 100 | M | 1 |
| A : Display Only B : Transmitter C : Switch D : Switch & Transmitter | 2 : LCD 4 : LED Segment | A : Absolute B : Both G : Gauge D : Differential V : Vacuum | Pressure Range [0.01~200MPa] | Pressure Unit M : mmH2O KPa : KPascal MPa : MPascal IN : Inch/H2O B : Bar | Power 1. DC18~35V 2. AC85~265 |

※ Pressure Range & Unit available on Request