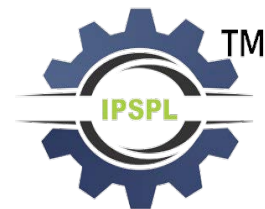


PRESSURE TRANSMITTERS FOR HIGH TEMPERATURE

150 Deg C | 250 Deg C | 350 Deg C



IPS-PT-04

PRODUCT OVERVIEW

High Temperature Pressure Transmitter adopts the high temperature resistant pressure sensor as the signal measuring element, and through the heat dissipation structure for the transmitter, the measured medium pressure is transmitted to the sensor; the high-precision signal processing circuit is located in the stainless steel housing, and transforms the sensor output signal into the standard output signal.

FEATURES

- SS316L diaphragm structure
- Using the imported high temperature resistant chip
- Applicable to wide medium temperature range
- Strong anti-interference, good long-term stability
- Directly contacting with the measured high temperature medium, and improving the pressure response frequency
- Anti-vibration, shock resistance, and corrosion resistance



APPLICATIONS

- Process control
- Aerospace
- Chemical product and chemical industry
- Servo valve and transmission



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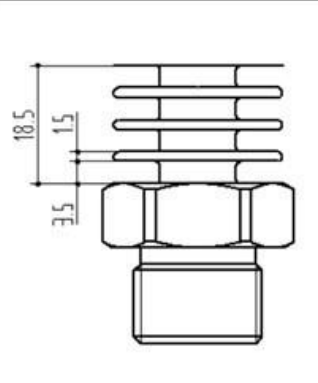
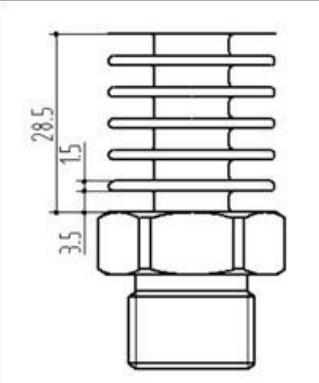
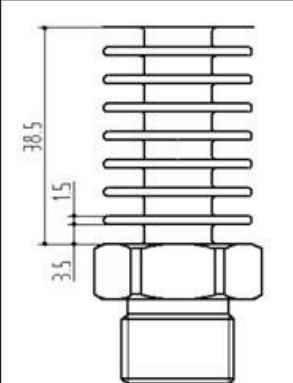
Room No – 303, Bhumika Residency, Plot No-21, Sector-20, Roadpali, Kalamoli, Panvel (Tal.), Raigad (Dist.), Maharashtra, India – 410218.

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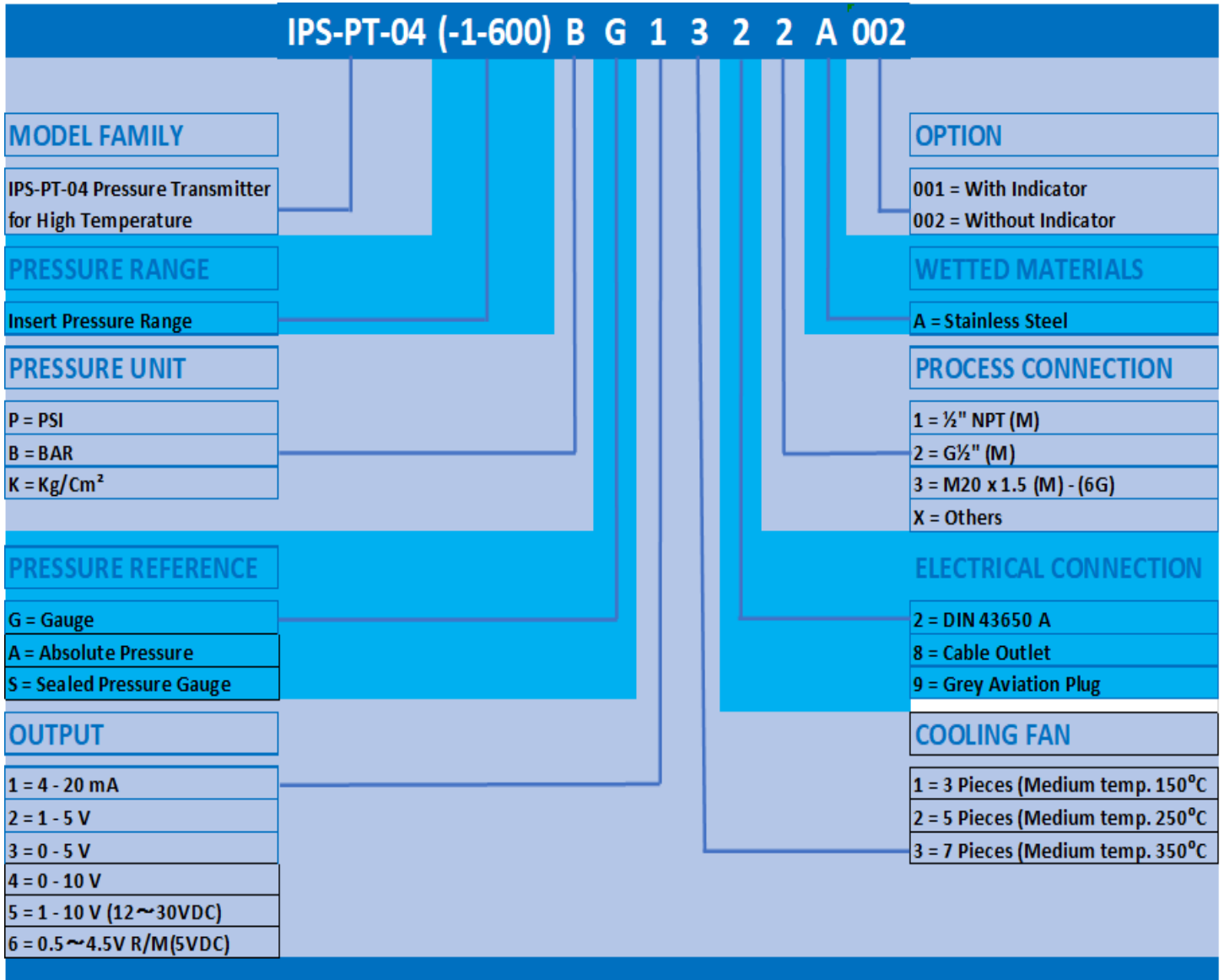
CIN : U52399MH2021PTC368555

| | |
|------------------------------|--|
| Pressure range | : -1 Bar onwards upto 600 Bar |
| Pressure reference | : Gauge pressure, Absolute pressure, Sealed gauge pressure |
| Supply & output | : 4~20mA, 0~5V, 1~5V, 0~10V, 1~10V (12~30VDC) 0.5~4.5V R/M(5VDC) |
| Accuracy | : 2% FS (pressure range -5~5kPa) 0.5% FS (the rest) |
| Hysteresis and repeatability | : 0.1% FS |
| Temperature drift | : ± 1.5% FS (-20°C~85°C) |
| Response time | : ≤ 1 ms (Up to 90% FS) |
| Overpressure | : 150% of FS |
| Service life | : ≥ 10 × 10 ⁶ pressure cycles |
| Ambient temperature | : -20°C ~ 85°C |
| Medium temperature | : -30°C ~ 350°C |
| Storage temperature | : -40°C ~ 125°C |
| EMC-interference | : IEC 61000-6-3 |
| Anti-vibration Performance | : Sine curve: 20g, 25Hz~2kHz; IEC 60068-2-6 Random: 7.5grms, 5Hz~1kHz; IEC 60068-2-64 |
| Shock resistance | : Shock: 200g/1ms; IEC 60068-2-27 Free falling body: 1m; IEC 60068-2-32 |
| Protection grade: | : IP 65 and Above |
| Medium compatibility | : All kinds of media compatible with SS316L |
| Net weight | : 220~360g |
| Cooling fan | : 3 pieces, 5 pieces, 7 pieces |

| Cooling fan code | 3 pieces | 5 pieces | 7 pieces |
|-----------------------|---|--|---|
| Dimension In mm |  |  |  |
| Cooling fan selection | Medium temperature ≤150°C | 150°C < Medium temperature ≤250°C | 250°C < Medium temperature ≤350°C |

Note: For the cooling fan selection, please consider the on-site ventilation environment.

HOW TO ORDER



Due to continuous development o-f our products tech n ica l information's a re subject to change.
Please ensure the compatibility between the measured medium and the contacting part o-f the product when placing an order_
IP SPL reserves the right to make any change in this datasheet without notice.
The information provided is believed to be accurate and reliable as of this product sheet. Contact factory for custom configurations not shown