

Main Specifications

<p>▼ Pressure connection Material: SS 304 M20 x 1.5 / G1/4" Other thread spec. available upon request</p> <p>▼ Electrical connection Hirschmann connector (DIN 43650) / Cable outlet / Aviation plug</p> <p>▼ Sealing NBR</p> <p>▼ Pressure range 0...40 to 600 MPa Please refer to the pressure range table</p> <p>▼ Pressure type Gauge pressure</p> <p>▼ Applicable fluid Liquid and gas that compatible with SS 304</p> <p>▼ Media temperature -40°C~85°C / -40°C~120°C</p> <p>▼ Storage temperature -40 to 125°C</p> <p>▼ Vibration resistance Vibration: 20g (20-5000Hz) Impact: 100g (11ms)</p> <p>▼ Protection level IP 65</p>	<p>▼ Housing Stainless steel</p> <p>▼ Power supply 9 ~ 30 VDC</p> <p>▼ Output signal 4~20mA</p> <p>▼ Measuring elements Metallic strain pressure sensor</p> <p>▼ Zero & span temp. drift 0.5% F.S. / 10°C</p> <p>▼ Accuracy ±0.5%F.S / ±0.25%F.S.</p> <p>▼ Stability ±0.15% F.S. / year</p> <p>▼ Insulation resistance ≥500MΩ / 1000VDC</p> <p>▼ Compensated temperature 0°C~70°C / -20°C~85°C</p> <p>▼ Mechanical service life ≥5 million cycles</p> <p>▼ Pressure rating Overpressure: 1.25 *F.S. Burst pressure: 1.5 *F.S.</p>
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High Pressure Transmitter

Model: PT-HP

Introduction

PT-HP High pressure transmitter adopts metallic strain as measuring element. PT-HP is designed for high, ultra-high pressure and high impact frequency environment. The special integrated design ensures PT-HP features high stability and reliability.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

- OEM service
- Adopts metallic strain pressure sensor to measure high and ultra-high pressure. Measurement range: 0...40 to 600 MPa
- The hard metal diaphragm ensures impact resistance performance
- The integrated stainless steel design with easy installation feature ensures long service life in hazardous environment
- Using inorganic material sealing technology to improve aging problem of sealing ring.
- Various types of electrical and thread connections are available for selection
- Anti-vibration, anti-impact, anti-corrosive design
- High anti-interference with long-term stability
- Zero and span calibration

Pressure Range Table

Code	Pressure range (MPa)	Overload pressure (MPa)	Blasting pressure (MPa)
40M	40	50	75
100M	100	125	150
150M	150	190	225
200M	200	250	300
250M	250	310	375
300M	300	375	450
350M	350	437	525
400M	400	500	600
450M	450	560	675
500M	500	625	750
550M	550	680	825
600M	600	750	900

How to order

PT-HP High Pressure Transmitter									
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
M20	Process connection	M20	M20*1.5	G2	G1/4"	O	Others	-	-
H	Electrical connection	H	Hirschhann connector	C	Cable outlet	A	Aviation plug	-	-
Custom	Pressure range	Please refer to the pressure range table and select the corresponding code.							
W1	Media temperature	W1	-40°C~85°C	W2	-40°C~120°C	-	-	-	-
05	Accuracy	05	±0.5%F.S	25	±0.25%F.S.	-	-	-	-
M1	Compensated temperature	M1	0°C~70°C	M2	-20°C~85°C	-	-	-	-
/B	Other requests	/A	Third party notarized document						
		/B	Inspection report (issued by Re-Atlantis)						
		/C	Tag						

Order example: PT-HP - H - 500M - W1 - 05 - M1 - /B