

APS-1200

Full Bridge Type MSG

FEATURES

- 0~10....500bar
- Dry/Wet media
- High Class Pressure sensor
- Excellent Repeatability & Hysteresis
- Compact size sealed Gauge sensor
- Superior Long term Stability

The APS-1200 series in use of stainless materials in the sensing element and its mounting provides excellent resistance to most liquids and chemicals. Ruggedness and reliability are also enhanced by a stainless steel housing to resist corrosion pressure sealing for media compatibility is provided by selection of welding Sealing type. metal sensing element contains and integral, reliable, solid state, custom hybrid circuit signal conditioner.

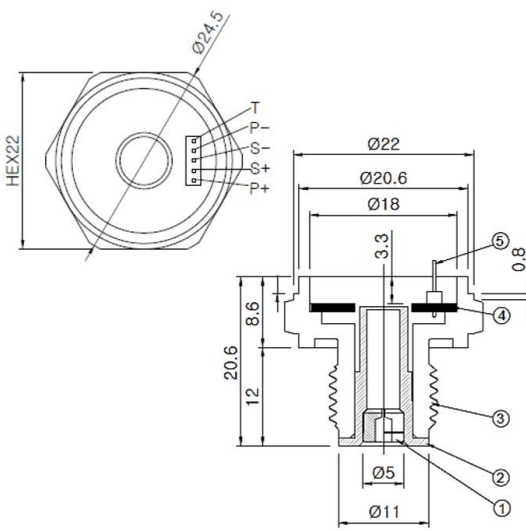


APPLICATIONS

- ✓ Pressure control
- ✓ Pump and Compressors
- ✓ Petrochemical
- ✓ Transmissions
- ✓ Water Management
- ✓ Environmental control systems

Physical Data [Custom Ranges and Compound Ranges Available]			
Gauge Pressure	Unit	Over Pressure	Burst Pressure
◆ 0 to10....500bar	bar	◆ 3X	◆ 20X
General SPEC			
Pressure Range		0 to10....500bar [and other option]	
Operating Voltage		2 to 10VDC	
Output		20 TO 30mV/V	
Zero output		±1.0mV/V	
Operating Temp. Rnage		-60 to 180℃	
Temp. Tolerance		0.025% F.S./℃	
Zero (full scale)			
Span (full scale)			
Non-linearity		±0.1% F.S.	
Hysteresis and repeatability		±0.02% F.S.	
Repeatability		±0.02% F.S.	
Long term stability		±0.05% F.S./Y	
Impedance		4 to 5kΩ	
Insulation Resistance		≥2GΩ@500V	
Electric Strength		≥1500VAC	
Response Frequency		1kHz	
Cycle life		10,000,000cycle (25℃)	
Vibration proof		200m/s² (10~200Hz)	
Sensor Module Material		SUS630	
Process Connection		G1/4, R1/4, G3/8, R3/8, G1/8, R1/8	

Dimensions(mm)		
Wire system	Pin	Description
4 Gold wire	P+	Power(+)
	S+	Signal Output(+)
	S-	Signal Output(-)
	P-	Power(-)



G1/4 O-ring type

NO	Q'ty	PART NUMBER	MATERIAL
1	1	5P PIN HEADER 1.25P	
2	1	SENSOR PCB	FR4
3	1	CONNECTION BODY	STS 303
4	1	SENSOR MODULE	STS 630
5	1	ORIFICE	STS 304