Your Engineering Partner...

ASPT 11g Pressure Transmitter

Micro-Fused Technology

The ASPT 11g series adopts advanced Micro-Fused Technology, setting a new benchmark for price-to-performance in low-cost, high-volume commercial and industrial applications.

Engineered for versatility, it is ideal for liquid and gas pressure measurement, including challenging media such as mildly contaminated water and steam.

The pressure cavity is precision-machined from a solid stainless-steel block, creating a leak-proof, all-metal sealed system. With no O-rings, welds, or organic materials exposed to the pressure medium, the ASPT 11g ensures exceptional durability, corrosion resistance, and long-term stability even in harsh environments.



Application

- Pumps and Compressors
- Hydraulic/Pneumatic Systems
- Automotive Test Systems
- Energy and Water Management
- Agriculture – Sprayers and Dusters
- Refrigeration – Freon and Ammonia Based
- General Pressure Measurements

Features

- One-Piece Stainless-Steel Construction
- Medium to High volumes from 6bar to 600bar
- mV or Amplified or Voltage Outputs
- Wide Operating Temperature Range

Performance parameters

Pressure range	0~1MPa…100MPa
Pressure reference	Gauge pressure
Compensation temperature	0℃～70℃
Operating temperature	-40℃～100℃
Storage temperature	-40℃～125℃
Insulation resistance	≥100MΩ/250VDC
Response time	≤1ms（up to 90%FS）
Measurement medium	All liquids and gases compatible with 17-4PH
Mechanical vibration	20g (20～5000HZ) IEC 60068-2-6
Shock	50g (10ms) IEC 60068-2-27
Life time	10×10^{6}(cycles)
Diaphragm material	17-4PH
Housing material	304
Infusion of liquid	/
Sealing	O-ring: nitrile Retaining ring: Polytetrafluoroethylene

Electrical

Output	4~20 mA	0~5V	1~5V	0~10V	1~10V	0.5 ~ 4.5V R/M
Supply	12..30VDC	12…30VDC	12…30VDC	12…30VDC	12…30VDC	5VDC

Wiring Guide

DIN 43650, FORM A

Output	Pin 1	Pin 2	Pin 3	Pin 4
4…20 mA (2-wire)	V+	V-	NC	NC
Voltage (3-wire)	V+	Ground	Signal	NC
Voltage（4-wire)	+Signal	Ground	+V	-Signal

Ordering Guide

ASPT11 g -25-B-G-1-2-1-S

Model Family

ASPT 11g Micro-Fused Pressure Transmitter

Pressure Range

- Insert Pressure Code

Pressure Unit

- P= Psi
- B= Bar
- K= Kg/Cm2
- M= Millibar
- W= Inches of H2O

Pressure Reference

- A= Absolute
- C= Compound
- G= Gauge
- S= Sealed Gauge

Output

- 1 = 4-20 mA
- 2= 1-5 V
- 3= 0-5V
- 4= 0.5-4.5V
- 5= 0-10V
- 6= 1-10V

Special Options

- S= Snubber
- X= Other Options

Process connection

- 1 = G¼" Male
- 2 = G½" Male
- 3 = M20X1.5–6G
- 4 = M14X1.5
- 5 = ¼" NPT Male
- 6 = ½" NPT Male
- 7 = G 3/8
- 8 = 7/16–20 UNF

Electrical

- 2= Big DIN
- 4= 1m cable
- 6= Packard
- 8= M12,1
- 9= Others

Due to continuous development of our products technical information's are subject to change.
Please ensure the compatibility between the measured medium and the contacting part of the product when placing an order.

ACT Sensors 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

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