ASPT 11e
Pressure Transmitter

Your Engineering Partner...

The ASPT 11e Pressure Transmitter is developed for automotive, water & HVAC industry. The ASPT 11e pressure transmitter uses ceramic pressure sensor as signal sensing element, through automatic testing and compensating zero and sensitivity in wider temperature range. The transmitter can transfer pressure to standard voltage and current signal. The material of housing and pressure port are stainless steel.



Major features

Pressures from 0~1 upto 150 Bar (higher range on request)
Accuracy upto 0.5% FS
Excellent corrosion resistance
Small profile, compact structure

Applications

- **Automotive**
- **Refrigeration**
- **Industrial process control**
- **Gas, Liquid pressure measurement**
- **HVAC system**
- **Mechanical engineering**

Technical Parameters

Pressure Range	: Upto 150 Bar
Performance	
Accuracy*	: ≤± 0.5% FS (standard), ≤± 1.0 % F.S
Stability (1 year)	: ≤± 0.2% of FS/year
Insulation Resistance	: > 100 MΩ/100VDC
Over Range Protection	: 150% F.S.
Response Time	: ≤ 1ms
Reverse Polarity Protection	: Yes

*Accuracy includes non-linearity, hysteresis & non-repeatability

Thermal

Temperature

Ambient Temp.	: -20 ~ 85°C
Medium Temp.	: -40 ~ 125°C
Storage Temp.	: -40 ~ 125°C

Thermal Limits

Compensated Range	: -20 ~ 85°C
TC Zero	: ≤ +0.03 %FSO/°C
TC Span	: ≤ +0.03 %FSO/°C

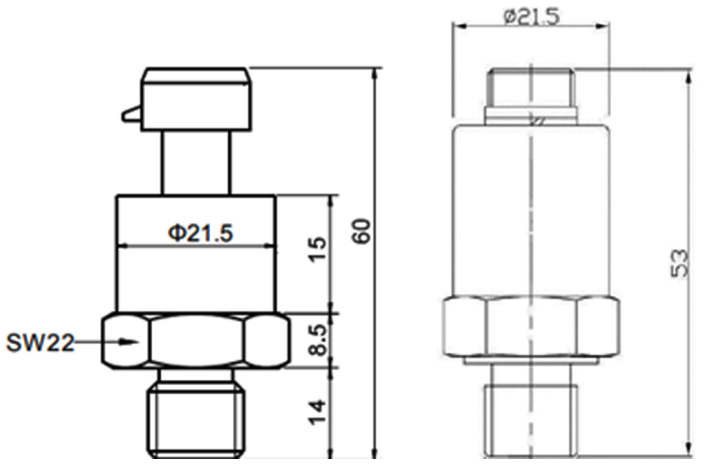
Environmental

IP Rating*	: IP65 minimum / IP67(optional)
Vibration	: 20g (25Hz~5000 Hz)
Net Weight	: 80 gms

Electrical

Output	4~20 mA	0~5V	0.5~4.5V R/M
Supply	12..36VDC	12…36VDC	5VDC

Dimension



Wiring Guide

Output	Pin 1	Pin 2	Pin 3
4-20 mA (two wire)	V(+) Red	Signal (+) Green	NC
Voltage (three wire)	V(+) Red	Ground Black	Signal (+) Green

Ordering Guide

ASPT 11e-25-B-G-1-2-1-C

Model Family

ASPT 11e-Economical OEM Pressure Transmitter

Pressure Range

- Insert Pressure Code
- Consult factory for pressure above 150 Bar

Pressure Unit

- P= Psi
- B= Bar
- K= Kg/Cm2

Pressure Reference

- G= Gauge

Output

- 1= 4-20 mA
- 3= 0-5V
- 4= 0.5-4.5V
- 8= I2C

Special Options

Blank = No Special Option

X = Special option on custom request

Wetted Parts

- C= Ceramic (96% Al2O3)

Process connection

- 1= G1/4"Male
- 2= G 1/2"
- 5= ¼" NPT Male
- 6= 1/2" NPT
- 8= 7/16-20 UNF

Electrical

- 1 = MINI DIN
- 3 = Packard Connector
- 4 = Cable
- 7 = Aviation Plug

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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Your Engineering Partner...
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