ASPT 11f

Flush Diaphragm Pressure Transmitter

ASPT 11f series pressure transmitter is designed for sanitary industry and clogging free application with flush diaphragm.

Sanitary application

Without blockage in measuring

Piezoresistive sensor employed

MEMS technology CE certified



Applications

Food & Beverage industry

Sterilization and Autoclave manufacturing industry

Biotechnology, Biogas, Bioethanol manufacturing industry

Pharmaceutical industry

Performance

- Accuracy* : $\leq \pm$ 0.5% FS ($\leq \pm$0.25% BFSL)
- Stability (1 year) : $\leq \pm$ 0.2% of FS
- Insulation Resistance : > 100 MΩ/250VDC
- Over Range Protection : 300% F.S. ($\leq$70 kPa) | 200% F.S. ($\leq$10MPa)
- Temperature Drift : $\leq \pm$ 1.5% FS (-20^0 to 85 ^{0}C)
- Response Time : $\leq$ 1ms (upto 90% F.S.)
- Reverse Polarity Protection : Yes

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

Thermal

Temperature

Ambient Temp.	:	-20^0 ~ 80^{0}C
Medium Temp.	:	-40^0 ~ 85^0 C I -40^0 ~ 150^0 C I -40^0 ~ 250^0 C
Storage Temp.	:	-40^0 ~ 85^{0}C

Thermal Limits

Compensated Range	:	-10^0 ~ 70^{0}C (typical)
TC Zero	:	$\leq \pm$ 1.5% FS
TC Span	:	$\leq \pm$ 1.5% FS

Environmental

EMI/RFI Protection : Yes (Electromagnetic Compatibility Directive 2014/30/EU)

IP Rating* IP65 minimum

Vibration 20g (20~5000Hz)

Net Weight 180gms

*IP Rating is dependent on electrical termination selected. Contact factory for more information
*IP Rating applies when electrical connector is attached with the appropriate ingress protection

Electrical

Output	4~20 mA	0~5V	1~5V	0.5~4.5V R/M
Supply	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

ASPT 11f-25-B-G-1-2-1-L-D

Model Family

ASPT 11f = Flush Mount Pressure Transmitter

Pressure Range

- Insert Pressure Code
- Consult factory for pressure above 100 Bar

Pressure Unit

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

Pressure Reference

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

Output

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

Special Options

D = Head Mount Display

C1 = Cooling Fin for medium temperature ≤150 Deg C C

C2 = Cooling Fin for medium temperature 150 Deg C upto ≤ 250 Deg C

C3 = Cooling Fin for medium temperature 250 Deg C upto ≤ 350 Deg C

Wetted Parts

- L= 316L SS

Process connection

- 1= G ½" Male
- 2= G 1" Male
- 3= M20X1.5-6G
- X= others (please specify)

Electrical

- 2= Big DIN
- 4= 1m cable

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 customization.

Your Engineering Partner...
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