

ASPT-11h

High Range Pressure Transmitter upto 600Bar



OVERVIEW

ASPT-11h high range pressure transmitter chooses high precision foil strain gauge as sensing element, has a unique integrated elastic structure, good stability and reliability. Signal processing circuit is located in the stainless steel casing, which has the circuit through strict aging process processing, at the same time also has a good linear compensation function. This product is mainly used for high pressure, super high pressure and impact pressure greatly.

FEATURES

- Measuring diaphragm and pressure interface one-piece structure
- Thread interface USES 7 degrees of taper sealing surface
- Resistance to vibration, the instantaneous pressure impact resistance
- Can measure pressure up to 600MPa
- With German import plugs, IP65 standard seal

APPLICATIONS

- HYDRAULICS
- MECHANICAL ENGINEERING
- TEST STAND DESING (AUTOMOTIVE ENGG)
- WATER POWER GENERATING
- DIESEL ENGINE TECHNOLOGY



PERFORMANCE

Accuracy: $\pm 0.5\%FS$ | $\pm 0.25\%FS$ | $\pm 0.1\%FS$

Excitation: 9~30VDC

Insulation resistance: $\geq 500M\Omega$

Load resistance for current loop : $\geq [(Vs-6.5V)/0.02A]\Omega$

Mechanical interface: M20×1.5; G1/4"; special thread can be Customized

Life time: ≥ 5 million times cycles

Long-term stability: $\leq \pm 0.15\%FS/Year$

THERMAL

Compensated temp.: 0~70°C | -20~85°C

Operating temp.: -40~85°C | -40~120°C

Zero temp. coefficient: $\pm 0.2\%FS/10^\circ C$

Span temp. coefficient: $\pm 0.2\%FS/10^\circ C$

ENVIRONMENTAL

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

IP Rating: IP65 minimum

Vibration: 20g (25~2000Hz) Sine Curve; IEC60068-2-6

Shock: 200g/1ms; IEC 60068-2-27

*IP Rating is dependent on electrical termination selected. Contact factory for details

*IP Rating applies when electrical connector is attached with the appropriate IP

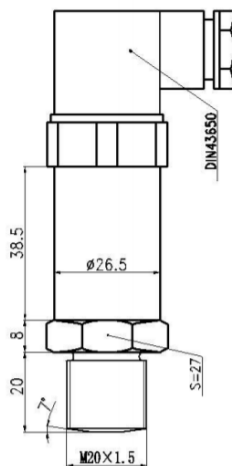
ELECTRICAL

Electrical Interface: DIN | DIN with digital display | Aviation Plug

Output: 4 to 20mA | 0 to 10V | 1 to 5V | 0 to 5V | 4 to 20mA +HART

DIMENSION

100MPa≤R≤350MPa

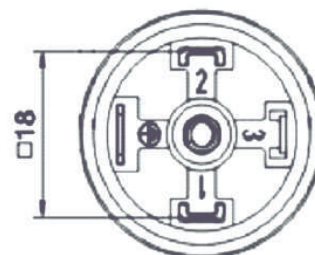


7 degrees taper sealing

WIRING GUIDE

DIN 43650, FORM A

Output	Pin 1	Pin 2	Pin 3	Wide Pin
4-20mA (2-wire)	+V	-V	N/A	N/A
Voltage (3-wire)	+V	Ground	Signal	N/A



ORDERING GUIDE

ASPT 11h 2000 B G 1 2 3 A 002

Model Family

ASPT-11h = High Pressure Transducer

Pressure Range

Insert Pressure Range

Pressure Unit

P = PSI

B = Bar

K = Kg/Cm²

Pressure Reference

G = Gauge

Output

1 = 4-20 mA

2 = 1-5 V

3 = 0-5 V

Options

001 = 12 V (Excitation)

002 = 24 V (Excitation)

Wetted Material

A = Stainless Steel

Process Connection

2 = G 1/2"

3 = M20X1.5-6G

X = others

Electrical

2 = DIN 43650 A

8 = Cable Outlet

9 = Gray Aviation Plug

Due to continuous development of our products technical informations are subject to change.

*Contact factory for custom configurations not shown

