

■ Features

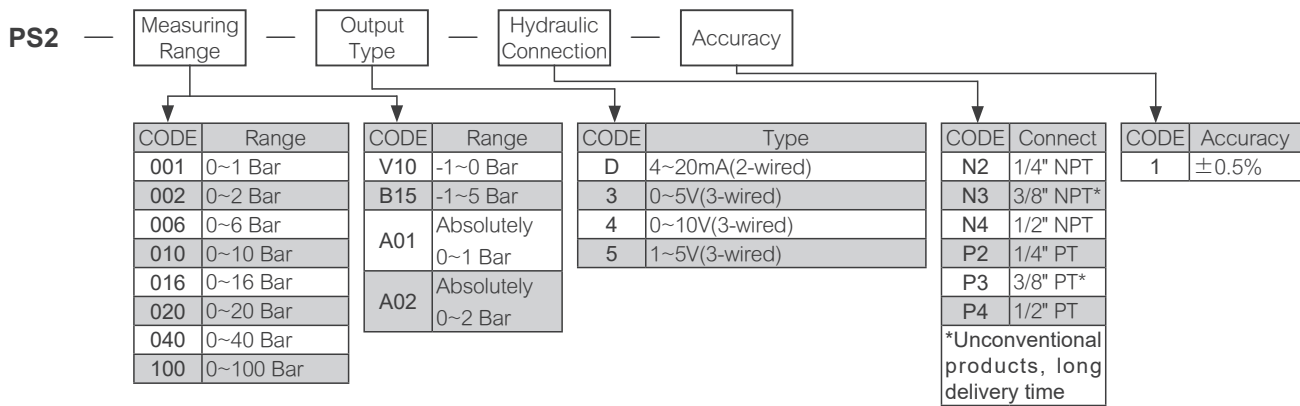
- Digital temperature compensation and nonlinear correction
- High sensitivity, high precision, high stability
- Full temperature compensation, good electrical performance and long-term stability
- The plug and shell are integrally spin-stable, stable and waterproof, to avoid loosening the thread of ordinary plug
- A variety of signal outputs, convert the pressure of the measured medium into 4~20mA, 0~10VDC and analog signals
- The shell adopts laser welding, high reliability, long life, long-term stability and reliability



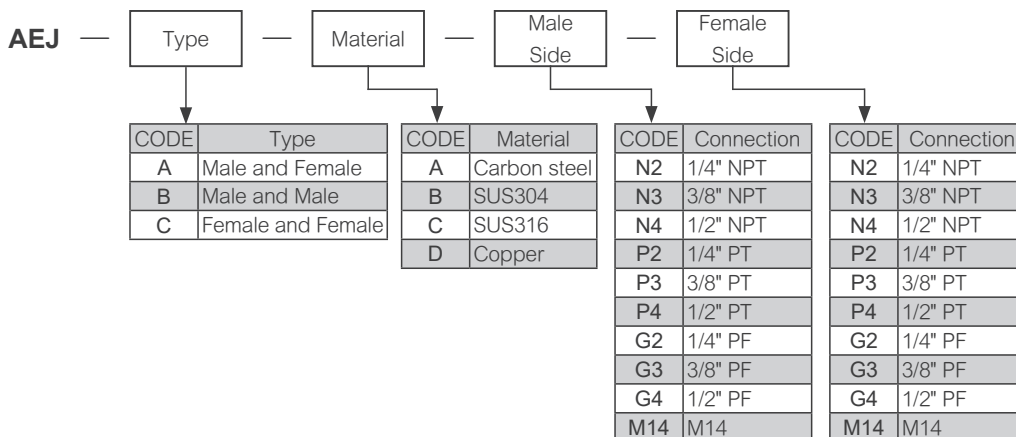
■ Applications

- Pneumatic compressors, HVAC, Hydraulic systems, Pump monitoring

■ Ordering Information



■ Screw Conversion Joints



Technical Specification

Input

Sensing element:	Diffused silicon sensor
Measurement range:	Relative pressure: -1~100 bar Absolute pressure: 0~1/~2 bar
Overload:	2 x measuring range
Rupture pressure:	3 x measuring range
Output signal:	2 wired: 4~20mA; 3 wired: 0~10V or 0(1)~5V
Accuracy:	≤ ± 0.5% FS
Zero thermal drift:	≤ ± 0.03% FS/°C
Response time:	≤ 1 msec
Temperature compensation range:	-10°C ~ 70°C
Long-term stability:	± 0.3% FS/year
Media adaptability:	Various fluids that are non-corrosive to 304 stainless steel

Power Supply

Power Supply: 10 ~ 36 Vdc

Environmental Conditions

Operating temp:	-40°C ~ 85°C
Storage temp:	-40°C ~ 125°C
Humidity rating:	≤ 95% non-condensing
IP degree of protection:	IP65
Vibration resistance:	10gRMS, (20~2000)Hz
Shock:	100g, 11ms

Safety

Isolation:	AC 2KV, 50/60Hz, 1min.; between Output / Metal parts
Insulation resistance:	> 100MΩ @ 250VDC
EMC:	IEC61326-1 Class B IEC61000-4-2 IEC61000-4-3 IEC61000-4-4 IEC61000-4-5

Mechanical Characteristics

Materials of Housing:	Body: Stainless Steel 304 Thread: Stainless Steel 316
Pressure Connection:	Outside thread: NPT 1/4", 3/8", 1/2"; PT 1/4", 3/8", 1/2"
Electrical Connection:	DIN connector 43650-A
Weight:	About 280 g

Assesory

2 Wired Field Indicator



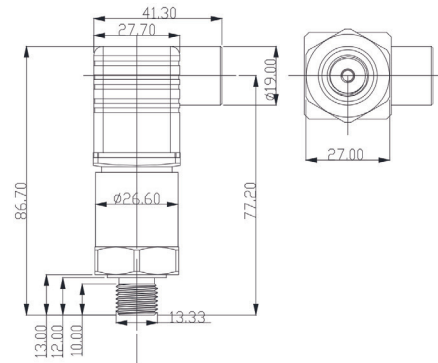
Please refer to the catalogue of CFIA-40 for the specification.

Display:	0~9999(Programmable)
Alarm Output(option):	2 points; Open collect
Connection:	DIN connector 43650-A
Power Drift:	≤ 4.5V, 3mA

Filter

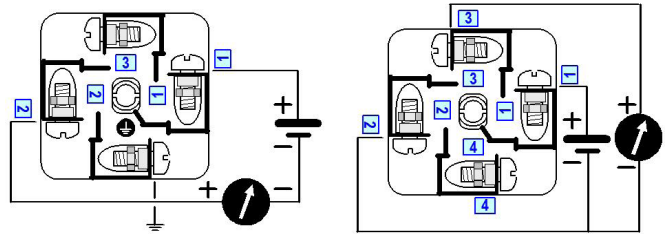
Model Number : PS FILTER
Please contact with our sales department

Dimensions



Pin Assignment

Analog Output



2-wire connection

3-wire connection