EC25□□ Pressure Transducer

Principle

A pressure sensor is made out a piezoreisister Wheatstone bridge. The pressure is applied to the diaphragm and passes through the silicon oil onto the Wheatstone bridge. When the liquid pressure acts directly on the front face of diaphragm, the Whetstone bridge will create a differential voltage. This voltage difference can then be amplified to obtain a current signal of 4-20mA. While connecting this current output to an analog meter, we can scale properly to read the level of the applied liquid in a container or a vessel.

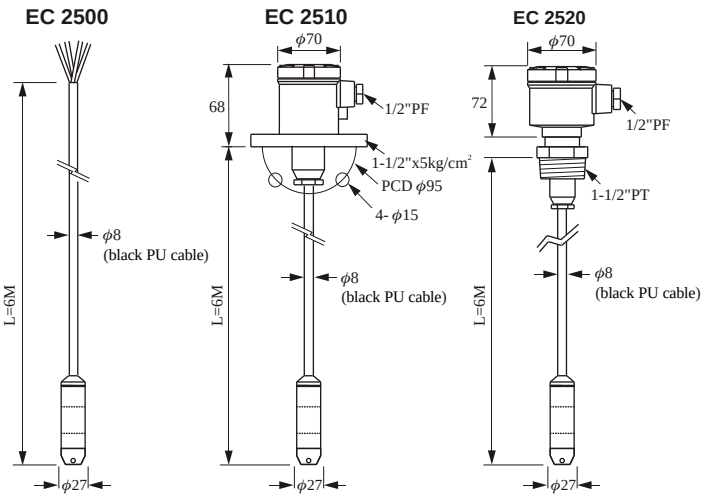
Product Specification

Pressure range: 0.25,0.4,0.6 bar
Measuring range: 0~2.5M, 0~4M, 0~6M
(Assumed with the water S.G.:1)
Linearity: ±0.3%FS
Long term stability: <0.1%
Operating temp.: -10~50°C
Ambient temp.: 50°C
Supply voltage: 10~30 Vdc
Output: 4~20mA
(Loop resistance should be less than 500Ω)
Ventilation cable: 24AWG
Black: +24Vdc
White: -O/P
Wetted parts: SUS316

Product Feature

1. SUS316 diaphragm
2. Wetted parts SUS316 is suitable for general environment and chemical application with low acid & alkaline medium.
3. Available for fluid liquid with viscosity, crystal or impurity.
4. Operating Temperature -10~50°C
5. Measuring pressure range 0.25, 0.4, 0.6 Bar
6. Linearity ± 0.3% FS, 4~20mA output 2 wires
7. Supply voltage 10~30Vdc

Dimension



Order Information

EC 2500 EM -(0100)

MODEL
2500: Cable Type

LENGTH (UNIT: cm)

EC 2510 X2(5)-(0100)

MODEL
2510: Cable Type (Flange)
2520: Cable Type (Screw)

PRESSURE (BAR)
X25=0.25bar X4=0.4bar X6=0.6bar

LENGTH (UNIT: cm)
0050: 50cm (01~50)
0100: 100cm(51~100)
0150: 150cm(101~150) ※50cm per Unit

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