

INTRODUCTION

The 171 PT Pressure Transmitter is a piezo-resistive device that converts pressure into current using a specialized circuit board and a highly stable, reliable pressure sensor.

The transmitter offers a high measurement accuracy of $\pm 0.5\%$ FS and supports a maximum measuring range of 30 bar. Featuring a two-wire configuration, it provides a standard 4–20 mA output signal.

Its robust construction and dependable performance make it ideal for water and wastewater pressure measurement applications.



With Display

Without Display

Sealed Cable

FEATURES

- Reliable Performance, Easy Application
- Short circuit protection and reverse polarity protection
- Compact size
- With Display and Without Display Option available
- Measures Pressure & Current.

AREAS OF APPLICATIONS

- Drinking Water Approval
- Water Treatment Plant (WTP)
- Waste Water Management

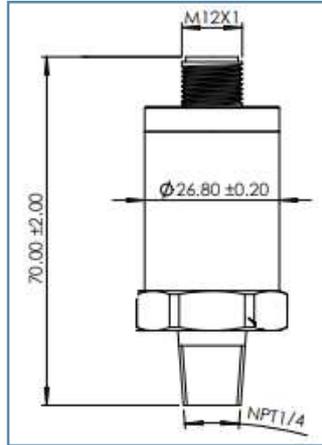
SPECIFICATIONS

Parameter Name	Parameter Description
Operating Sensor	Piezo-resistive Sensor
Type	Gauge Type or Absolute Type
Measuring Range	Gauge Pressure : 0 to 2.5 bar, 0 to 10 bar, 0 to 16 bar, 0 to 20 bar, 0 to 30 bar
Measurement Media	Liquid Water
Display Version	With Display or Without Display
Accuracy	$\pm 0.5\%$ of Full Scale or $\pm 0.25\%$ of Full Scale
Power Supply	2 Wire 12 VDC
Electrical Connection	DN43650 Plug Connector, M12 Connector or Sealed Cable
Analog Output	2 Wire, 4-20mA @600Ω
Transmitter Housing Enclosure	SS316L or ANSI SS304
Plug Housing	Plastic
Pressure Port	SS316L
Diaphragm	Stainless Steel SS316L
Protection class	IP 65
Cable Diameter	Ø5mm Polyethylene Special Cable
Cable locking	PG5 cable gland
Cable Length	2 m (For Sealed Cable Version only)
Air venting	1mm hole on housing with special sticker to let air pass and water /dust cannot pass
Ambient Temperature	0° to 60 °C

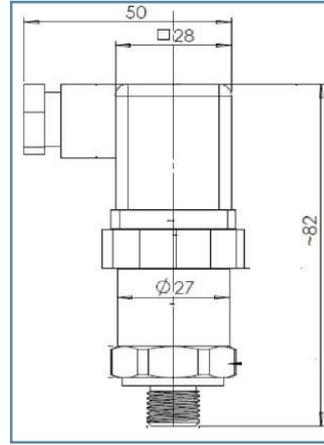
MECHANICAL DIMENSIONS



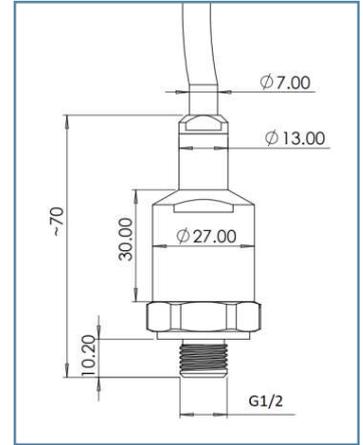
With Display



M12 Connector

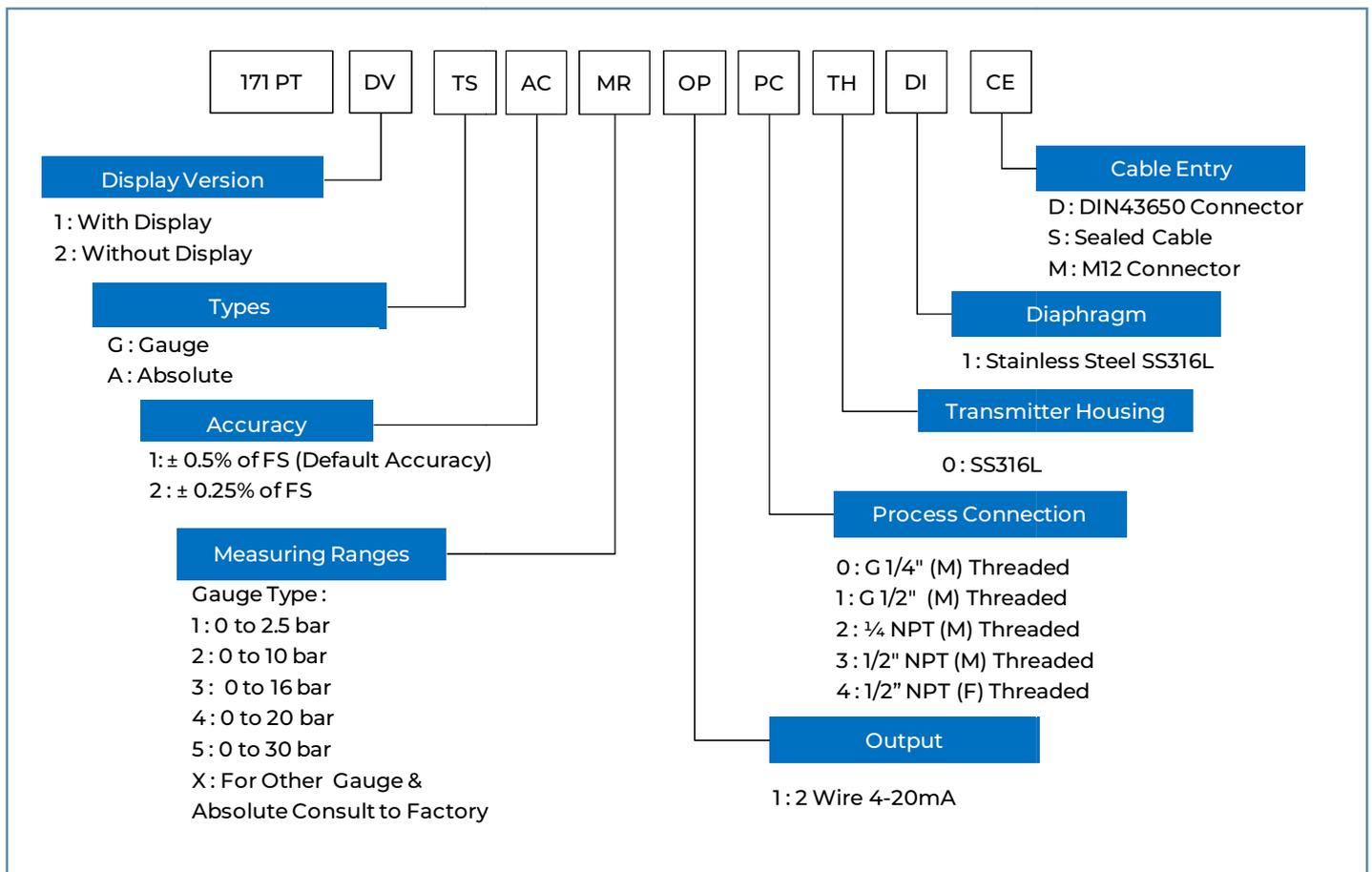


Without Display



Sealed Cable

ORDERING CODE



NOTES:

* Pressure Transmitter Provide the 4-20mA output.

** If want the 4 -20mA + HART Output then select the Intelligent Pressure Transmitter (171 IPT).

#Continuous development may necessitate changes without notice.

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