



Series EXT

Wet / Wet Differential Pressure Transducer



EXT model, it is suitable measuring for high precise measurement and differential pressure. EXT can be against corrosive material owing to Media-Wetted materials are composed stainless steel 316L. DWS strength point is in-amplification circuit, It can be helpful communication of variety controllers.

Feature

- CE Certified
- VDC, mA output
- Measuring range 0~3.5MPa diff.
- 0.25%FS or 0.5%FS accuracy
- IP65 protection(DIN Connector type)
- Differential Pressure measurement
- Piezoresistive silicon cell
- Stainless steel media-wetted materials

Applications

- Corrosive Fluid and Gas Measurement Systems
- Liquid Level Controls
- Tank Level Measurement
- Leak Tester System

SPECIFICATIONS

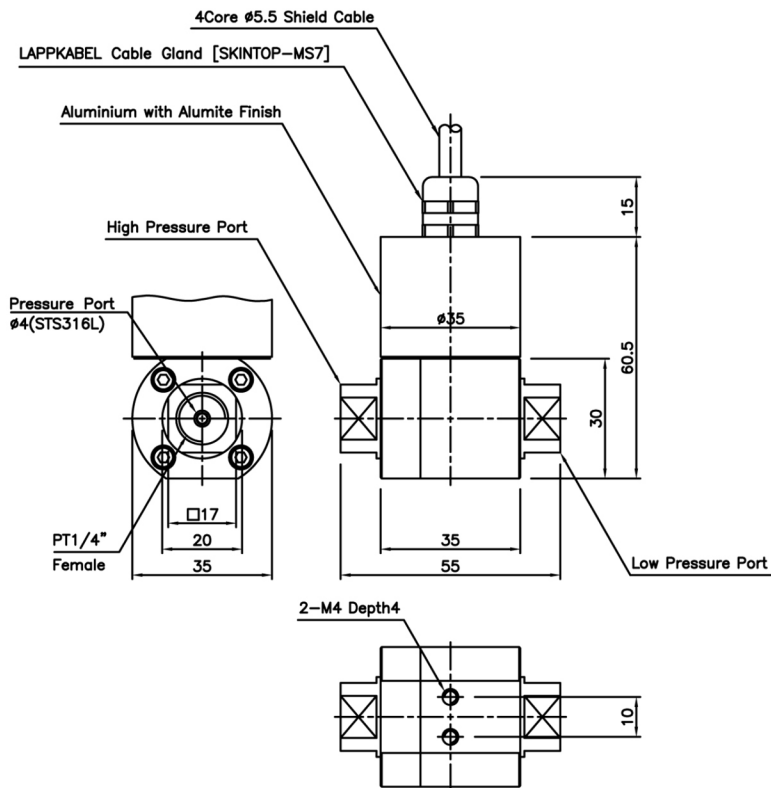
	Accuracy 0.25%FS	Accuracy 0.5%FS
Range	0~5kPa ... 3.5 MPa	0~100kPa ... 2.5 MPa
Performance		
Accuracy	±0.25%FS(RSS)	±0.5%FS(RSS)
Thermal Effect on Zero	±0.05%FS/°C	±0.05%FS/°C
Thermal Effect on Span	±0.05%FS/°C	±0.05%FS/°C
Compensated Temperature Range	-10 ~ 70°C	
Operating Temperature Range	-20 ~ 80°C	
Electrical		
Excitation	11 ~ 28VDC	
Output	0~5VDC, 1~5VDC, 0~10VDC, 4~20mA(2Wire)	
Electrical Connection	Cable Gland, Connector, Head, Din Connector	
Physical		
Proof Pressure	Positive Pressure 300%FS Max. Negative Pressure 300%FS Max. (For high-end port, rated or 7MPa whichever is less; for low-end port, rated or 1MPa whichever is less.)	Positive Pressure 200%FS Max. Negative Pressure 100%FS Max.
Line(Common Mode) Pressure	7MPa	
Vibration	49.1m/s ² {5G}, 10~500Hz	
Shock	490m/s ² {50G}	
Pressure port	R(PT)1/4"(F), UNF 7/16(Flare Fitting)	
Media-Wetted Materials	Stainless Steel 316L, VITON	
Weight	Approx. 315g (Connector Type)	Approx. 410g (Connector Type)

* Specifications are subject to change without notice

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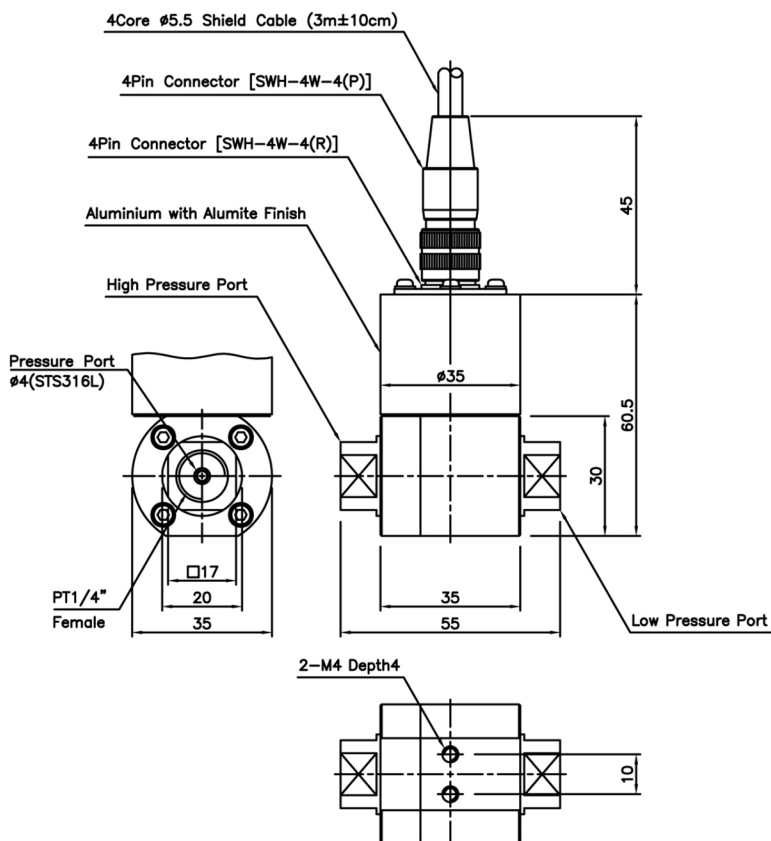
Dimension

► Cable Gland Type (Accuracy 0.25%FS Type)



Wire Color	Connections		
	4Wire	3Wire	2Wire
Red	Input $\oplus$	Input $\oplus$	Input $\oplus$
White	Output $\ominus$	Common $\ominus$	×
Black	Input $\ominus$	×	Output $\oplus$
Green	Output $\oplus$	Output $\oplus$	×
Shield	Earth	Earth	Earth

► Connector Type (Accuracy 0.25%FS Type)

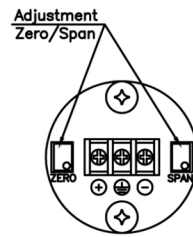
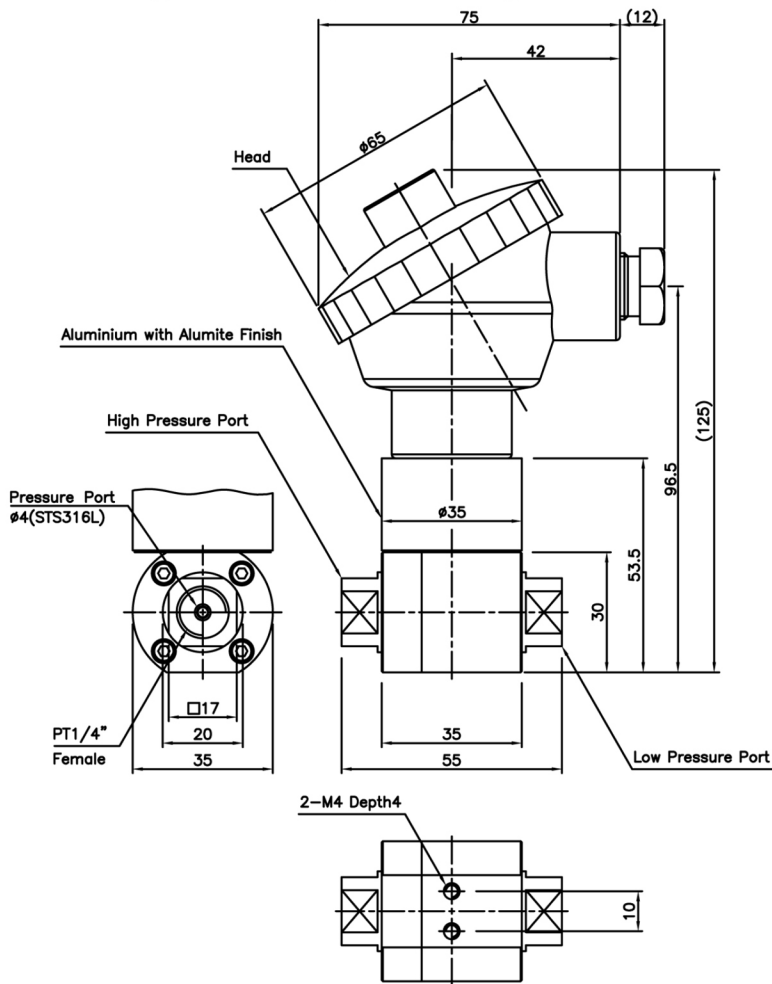


Pin No.	Wire Color	Connections		
		4Wire	3Wire	2Wire
1	Red	Input $\oplus$	Input $\oplus$	Input $\oplus$
2	White	Output $\ominus$	Common $\ominus$	×
3	Black	Input $\ominus$	×	Output $\oplus$
4	Green	Output $\oplus$	Output $\oplus$	×
5	Shield	Earth	Earth	Earth

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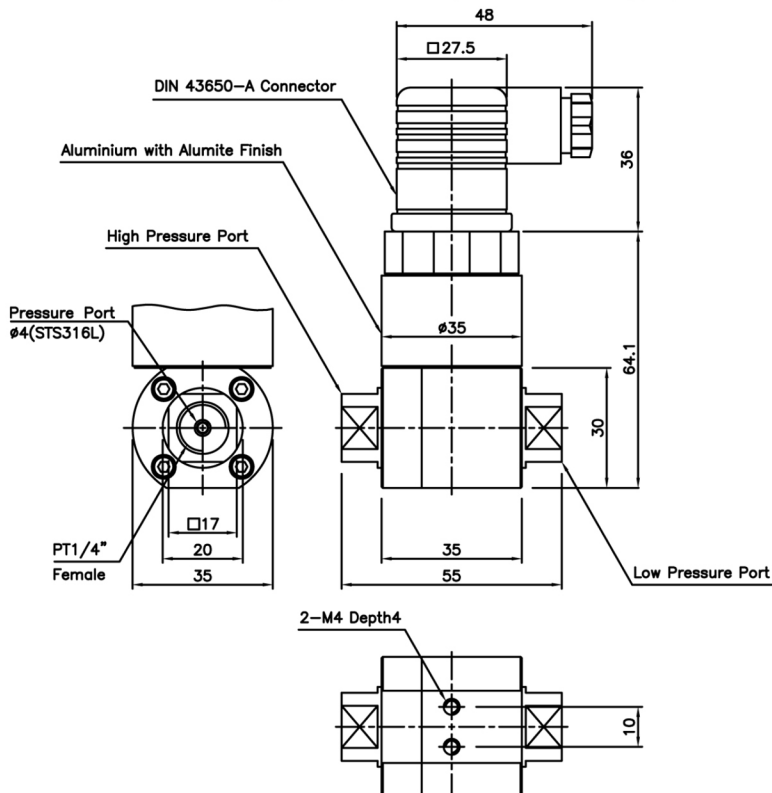


► Head Type (Accuracy 0.25%FS Type)



No.	Connections
	2Wire
+	Input ⊕
⊕	Earth
-	Output ⊕

► Din connector Type (Accuracy 0.25%FS Type)



Pin No.	Connections	
	3Wire	2Wire
1	Input ⊕	Input ⊕
2	Common ⊖	Output ⊕
3	Output ⊕	×
⊕	Earth	Earth

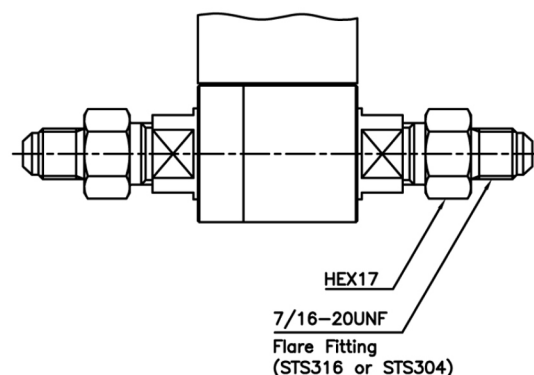
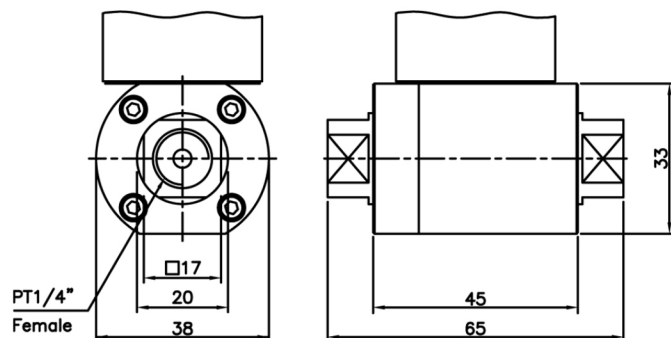
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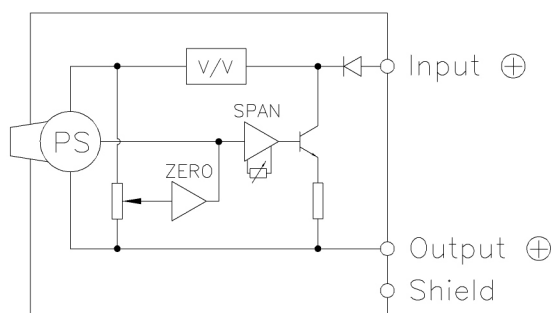
► Accuracy 0.5%FS Type

► Flare Fitting(Optional)

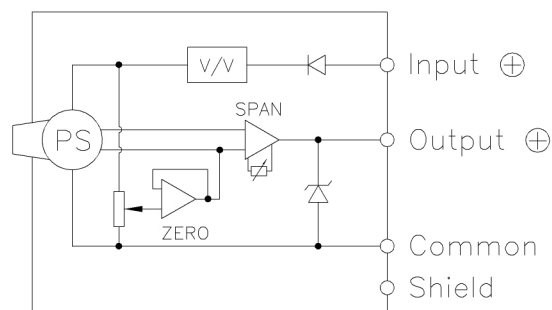


Internal Circuit Diagram

► 2Wire mA Output Type



► 3, 4Wire mA, VDC Output Type



Ordering Information

Model Name		EXT H 0020 R 1 P H - □	Option
Output			Accuracy
B : 4Wire 0~5V	H : 2Wire 4~20mA		H : 0.25%FS
C : 3Wire 0~5V	J : 3Wire 0~10V		L : 0.5%FS
D : 4Wire 1~5V	K : 4Wire 0~10V		Connecting Methods
E : 3Wire 1~5V			P : Connector
Pressure Range			H : Head
XXXX : Pressure			I : Din 43650-A connector
Pressure Unit			S : Cable Gland
K : kgf/cm ²	B : bar		Pressure port
P : psi	M : MPa		1 : R(PT)1/4"(Female)
R : kPa	C : cmH ₂ O		2 : UNF 7/16(Flare Fitting)
H : mmHg			

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