



Series QMO/QMB

Depth and Level Transmitter



QM model, the highest precise pneumatic level transmitter, is waterproof up to a depth of 350m and uses the polyurethane vented cable being used in seawater and performing atmospheric compensation. It is appropriate for deep wells and tank level. Depending on the embedded place of an amp. this QM model has both QMO(External amp.) and QMB(Internal amp.). Refer to the dimension.

Feature

- 4~20mA output
- Gauge and absolute measurement
- 0.15%FS accuracy
- Diameter: QMO(Φ21), QMB(Φ27)
- Fully sealed construction
- Vented polyurethane cable
- Piezoresistive silicon cell
- Stainless steel(316L) media-wetted materials

Applications

- Tank Level Measurement
- Deep Well Measurement
- Ship & Marine System
- Ground & Surface Water Monitoring
- Geophysical Application
- Water Supply & Reservoirs

SPECIFICATIONS

	QMO	QMB
Range	0~0.5, 1, 2, 3, 5, 10, 20, 30, 50, 70, 200, 350 mH ₂ O (Gauge) 0~10, 20, 30, 50, 70, 200, 350 mH ₂ O (Absolute)	
Performance		
Accuracy	±0.15%FS(RSS)	
Thermal Effect on Zero	±0.03%FS/°C	
Thermal Effect on Span	±0.03%FS/°C	
Compensated Temperature Range	0 ~ 70°C	
Operating Temperature Range	-20 ~ 80°C	
Electrical		
Excitation	11 ~ 28VDC	
Output	4~20mA(2Wire), 1~5VDC	4~20mA(2Wire)
Electrical Connection	AMP. BOX	Ø8 Vented Tube Polyurethane Cable
Physical		
Proof Pressure	300%FS Max.	
Burst Pressure	400%FS Min.	
Vibration	49.1m/s ² {5G}, 10~500Hz	
Shock	490m/s ² {50G}	
Protection	Sensor : IP68	IP68
Media-Wetted Materials	Stainless Steel 316L	Stainless Steel 316L, VITON
Weight	Approx. Sensor 100g, Amp 300g	Approx. Sensor 350g

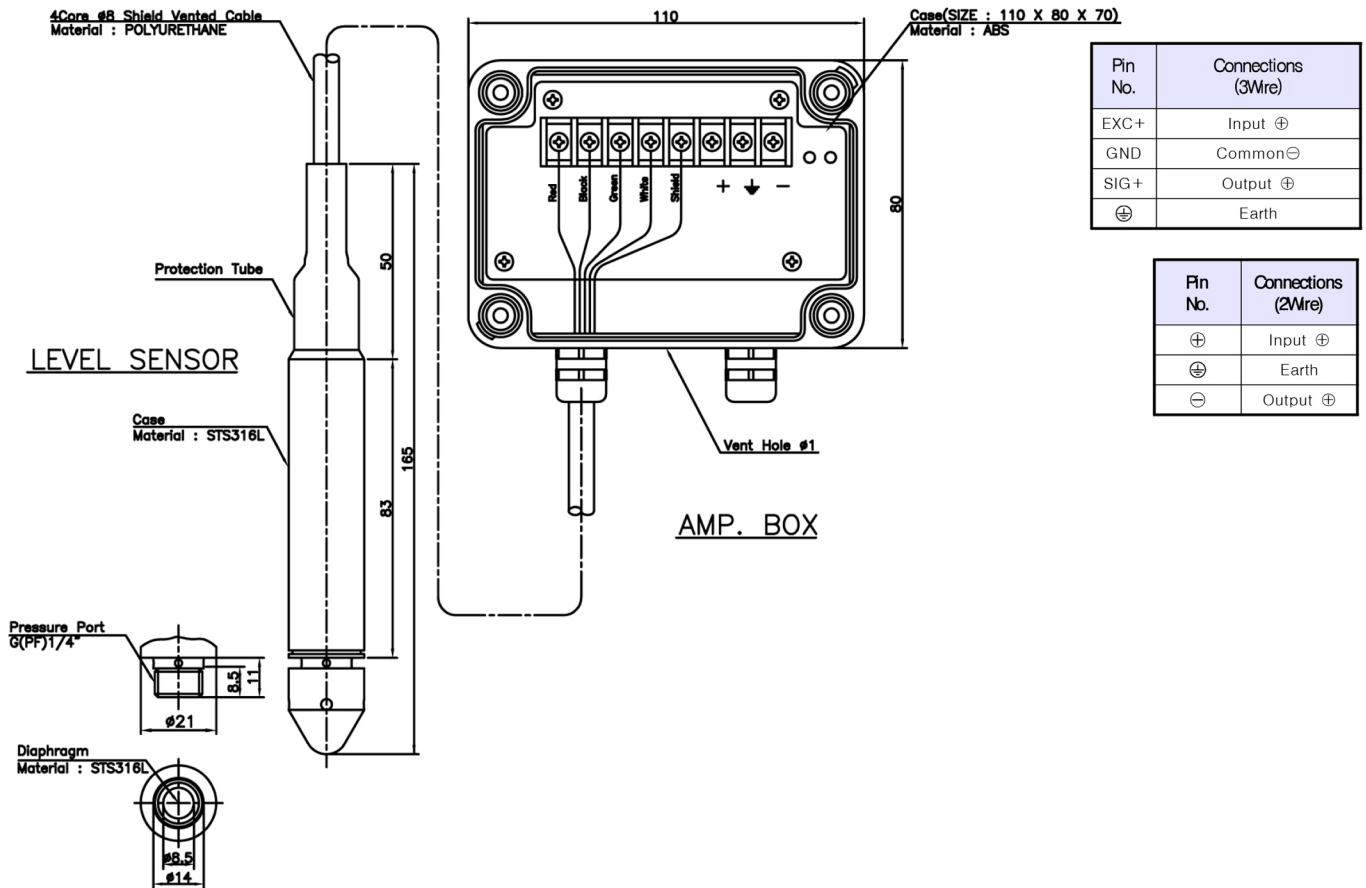
* Specifications are subject to change without notice

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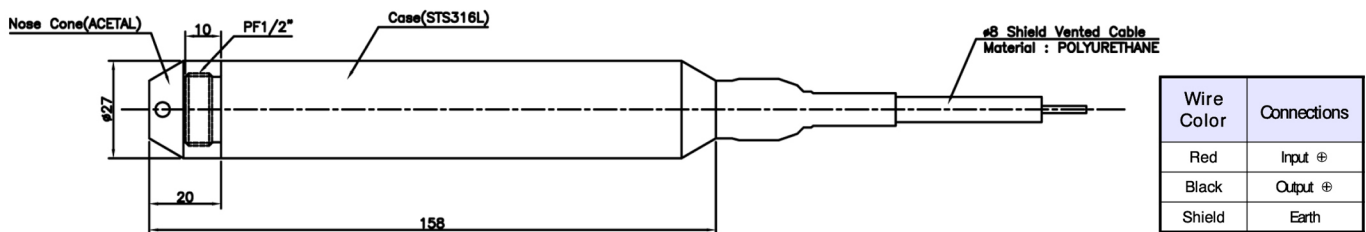


Dimension

► QMO Model(External Amp.)

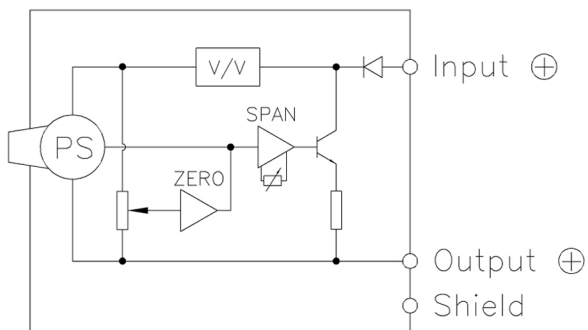


► QMB Model(Internal Amp.)

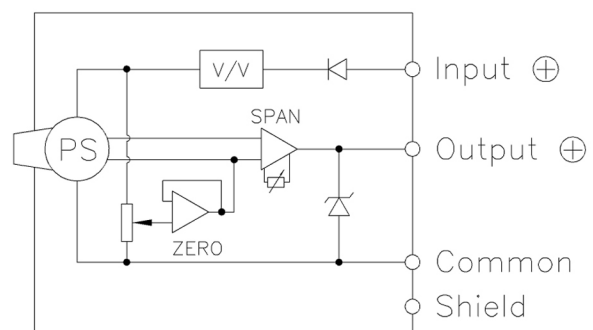


Internal Circuit Diagram

► 2Wire mA Output Type



► 3Wire VDC Output Type



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0 : Nose Cone
D : G(PF)1/4"
Q : G(PF)1/2"