



Series QMU

Depth / Level & Temperature Transmitter



QMU model, the highest precise Transmitter, is affordable simultaneous measure temperature and pressure at a same time. QMU made of Vented Polyurethane cable, being used atmospheric compensation. It is compact size (Ø30), best available for waterproof to a depth of 350m.

Feature

- 4~20mA output
- Pressure : 0.15%FS accuracy
- Temperature : 0.5%FS accuracy
- Diameter : Ø30
- Fully sealed construction
- Vented polyurethane cable
- Pressure Cell : Piezoresistive silicon
- Temperature Cell : PT100
- Stainless steel(316L) media-wetted materials

Applications

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

SPECIFICATIONS

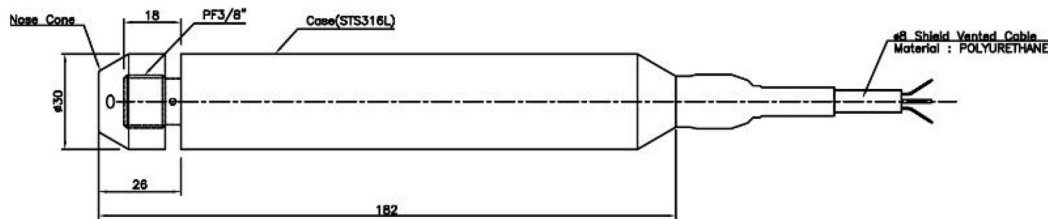
	Pressure	Temperature
Range		
	0~3,5,10,20,30,50,70,200,350mHzO(Gauge,Absolute)	-20~50, 0~50 , 0~70 °C
Sensing Element		
	Piezoresistive silicon	RTD(PT100Ω)
Performance		
Accuracy	±0.15%FS(RSS)	±0.5%FS(RSS)
Thermal Effect on Zero	±0.03%FS/°C	-
Thermal Effect on Span	±0.03%FS/°C	-
Compensated Temperature Range	0 ~ 70°C	-
Operating Temperature Range	-20 ~ 80°C	
Electrical		
Excitation	11 ~ 28VDC	
Output	4~20mA(2Wire)	
Electrical Connection	Φ8 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	IP68	
Media-Wetted Materials	Stainless Steel 316L, VITON	
Weight	Approx. Sensor 400g	

* Specifications are subject to change without notice

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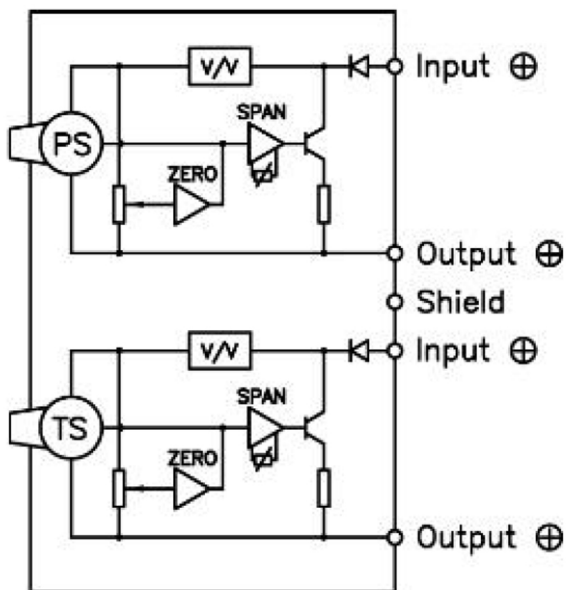


Dimension



Sensor	Wire Color	Connections
Pressure	Red	Input $\ominus$ +
	Black	Output $\ominus$ +
Temperature	Green	Input $\ominus$ +
	White	Output $\ominus$ +
	Shield	Earth

Internal Circuit Diagram



Ordering Information

Model Name	QMU	H	0010	K	G	00/50	C	Temperature Unit
								C : °C
								F : °F
Output								Temperature Range
H : 2Wire 4~20mA								-20/50 : -20~50
								00/50 : 0~50
								00/70 : 0~70
Pressure Range								Type of Pressure Measurement
XXXX : Pressure								G : Gauge
								J : Absolute
Pressure Unit								
R : kPa								M : MPa
B : bar								K : kgf/cm ²
P : psi								H : mmHg
C : cmH ₂ O								

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