



Series QTD

Car, Building Purpose High Performance Pressure Transducer



QTD is compact size to vehicles and heavy machinery. It is also suitable for low pressure measurement and precise measurement. It builds an amplifier to interface with various kinds of controllers.

Feature

- CE Certified
- VDC, mA output
- Measuring range 0~35MPa
- 0.25%FS accuracy
- IP55 protection(Cable type)
- Gauge and absolute measurement
- Piezoresistive silicon cell
- Stainless steel media-wetted materials

Applications

- Off road equipment
- Hydraulics & Pneumatic
- Compressor control
- Industrial engines
- Pump pressure control

SPECIFICATIONS

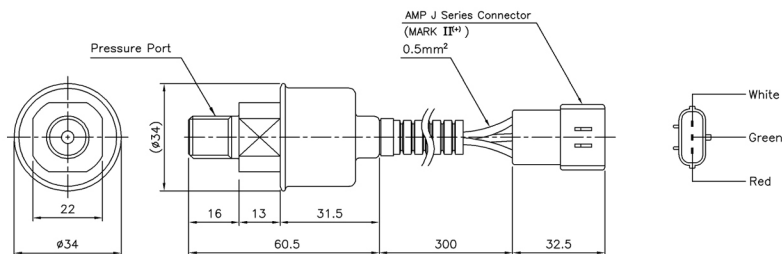
Range	
0 ~ 5, 10, 20, 30, 50, 100, 200, 300, 500, 700kPa / 2, 3.5, 7, 20, 35MPa(Gauge)	
-100 ~ 0, 30, 50, 100, 200, 300, 500, 700kPa (Gauge)	
0 ~ 100, 200, 300, 500, 700kPa / 2, 3.5, 7, 20, 35MPa (Absolute)	
Performance	
Accuracy	±0.25%FS(RSS)
Thermal Effect on Zero	±0.05%FS/°C
Thermal Effect on Span	±0.05%FS/°C
Compensated Temperature Range	-10 ~ 70°C
Operating Temperature Range	-20 ~ 100°C (Optional -30~120°C)
Electrical	
Excitation	11 ~ 28VDC
Output	0~5VDC, 1~5VDC, 0~10VDC, 4~20mA(2Wire)
Electrical Connection	Connector, Cable, AMP Connector(1~5VDC 3Wire Only), Head, Din Connector
Physical	
Proof Pressure	300%FS Max.
Burst Pressure	400%FS Min.
Vibration	49.1m/s ² {5G}, 10~500Hz
Shock	490m/s ² {50G}
Pressure port	R(PT)1/8", G(PF)1/8", R(PT)1/4", G(PF)1/4", R(PT)3/8", G(PF)3/8"
Media-Wetted Materials	Stainless Steel 316L, VITON
Weight	Approx. 130g (AMP Connector Type)

* Specifications are subject to change without notice

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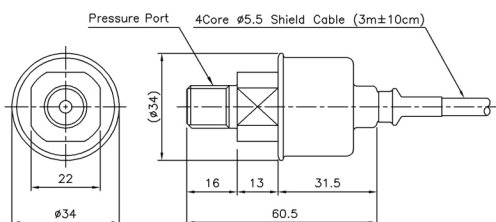
Dimension

► AMP Connector Type



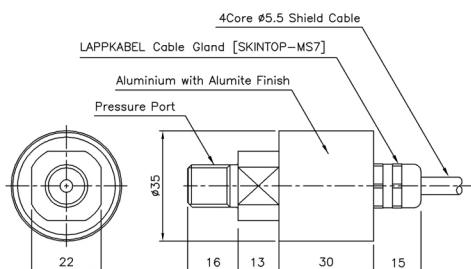
Wire Color	Connections
Red	Input ⊕
White	Common ⊖
Green	Output ⊕

► Cable Type



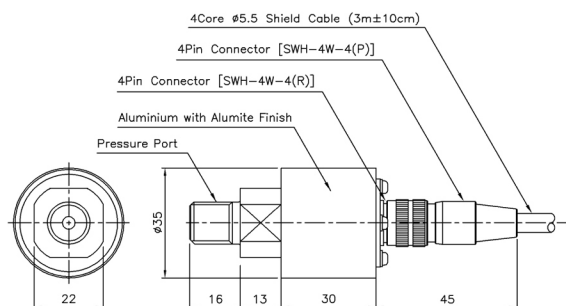
Wire Color	Connections		
	4Wire	3Wire	2Wire
Red	Input ⊕	Input ⊕	Input ⊕
White	Output ⊖	Common ⊖	×
Black	Input ⊖	×	Output ⊕
Green	Output ⊕	Output ⊕	×
Shield	Earth	Earth	Earth

► Cable Gland Type



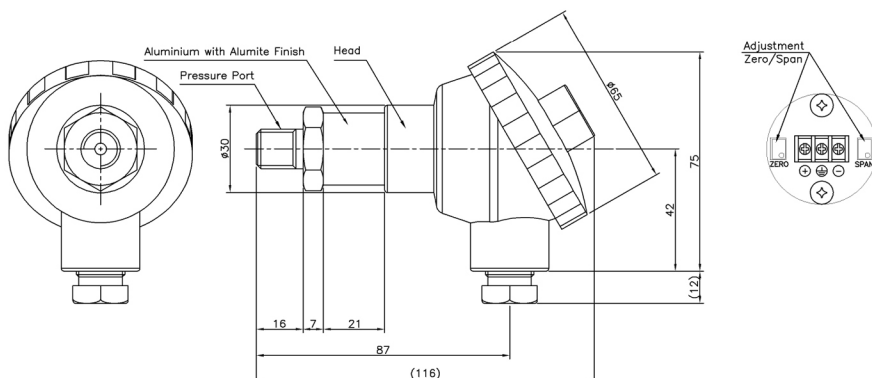
Wire Color	Connections		
	4Wire	3Wire	2Wire
Red	Input ⊕	Input ⊕	Input ⊕
White	Output ⊖	Common ⊖	×
Black	Input ⊖	×	Output ⊕
Green	Output ⊕	Output ⊕	×
Shield	Earth	Earth	Earth

► Connector Type



Pin No.	Wire Color	Connections		
		4Wire	3Wire	2Wire
1	Red	Input ⊕	Input ⊕	Input ⊕
2	White	Output ⊖	Common ⊖	×
3	Black	Input ⊖	×	Output ⊕
4	Green	Output ⊕	Output ⊕	×
5	Shield	Earth	Earth	Earth

► Head Type

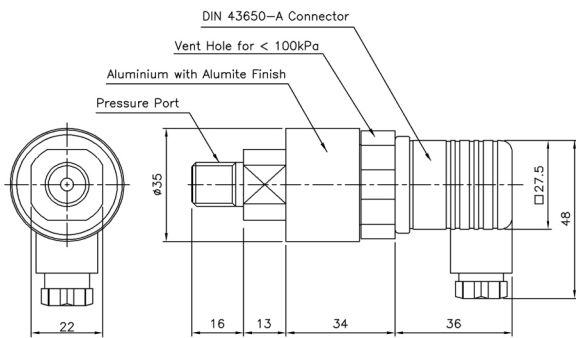


No.	Connections	
	2Wire	
+	Input ⊕	
⊕	Earth	
-	Output ⊕	

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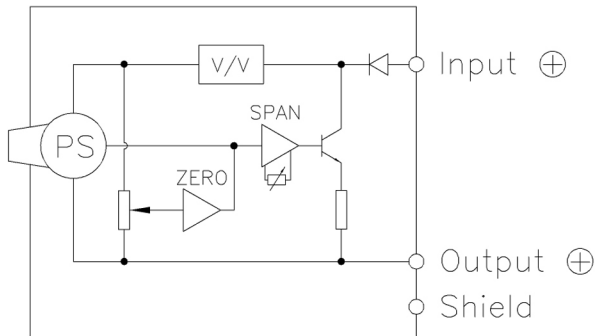
► Din connector Type



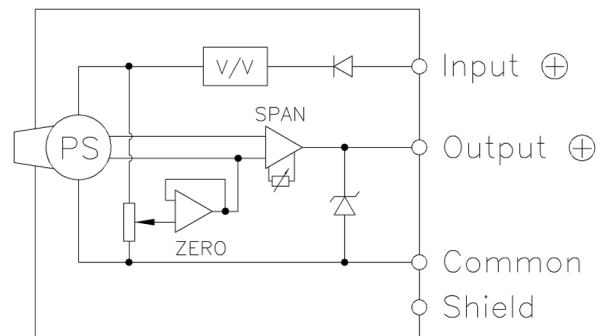
Pin No.	Connections	
	3Wire	2Wire
1	Input ⊕	Input ⊕
2	Common ⊖	Output ⊕
3	Output ⊕	×
⊕	Earth	Earth

Internal Circuit Diagram

► 2Wire mA Output Type



► 3, 4Wire mA, VDC Output Type



Ordering Information

Model Name		QTD	E	0005	R	A	P	G	-	□	Option
											B : Temperature Range -30~120°C
Output											Type of Pressure Measurement
B : 4Wire 0~5V		H : 2Wire 4~20mA								G : Gauge	
C : 3Wire 0~5V		J : 3Wire 0~10V								J : Absolute	
D : 4Wire 1~5V		K : 4Wire 0~10V								Connecting Methods	
E : 3Wire 1~5V										P : Connector	
										C : Cable	
										F : AMP Connector	
										H : Head	
										I : Din 43650-A connector	
										S : Cable Gland	
Pressure Range										Pressure port	
XXXX : Pressure										A : R(PT)3/8"	
CXXX : Compound Pressure										D : G(PF)1/4"	
										B : G(PF)3/8"	
										G : R(PT)1/8"	
										C : R(PT)1/4"	
										H : G(PF)1/8"	
Pressure Unit											
R : kPa		M : MPa									
B : bar		K : kgf/cm ²									
P : psi		H : mmHg									
C : cmH ₂ O											

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