



Series QIQ

Pressure Transducer
for Precision Measurement



The QIQ digital pressure transducer is a high accuracy and performance for precision pressure measurement component that uses either RS-232 to communicate with host computer and analog output. The QIQ have a excellent small temperature error below 0.025% in the range of -10~50°C. The communication S/W is included in delivery.

Feature

- VDC, mA Analog output
- RS232 Digital output
- Measuring range 0~150MPa
- 0.035%FS accuracy
- Gauge and absolute measurement
- Stainless steel media-wetted materials

Applications

- Measurement and test benches
- Calibration technology
- Laboratories
- Plant construction and machine building

SPECIFICATIONS

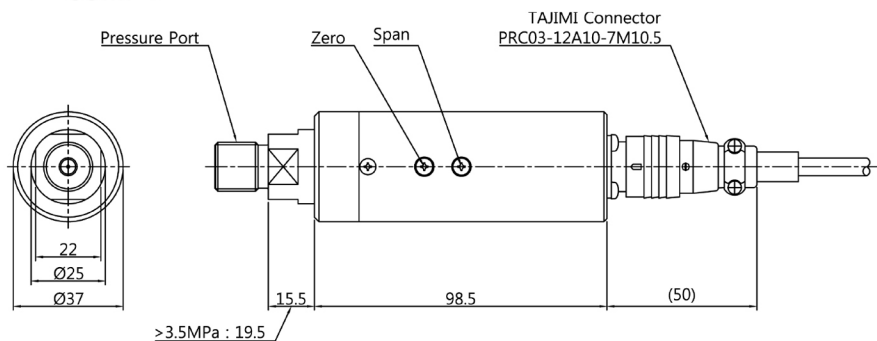
Range	
-100kPa ~ 0 ~ 100kPa ... 150MPa(Gauge) 0 ~ 100kPa ... 3.5MPa(Absolute)	
Performance	
Accuracy	±0.035%FS(RSS)
Thermal Effect on Zero	±0.025%FS
Thermal Effect on Span	±0.025%FS
Long-term Stability	±0.05%FS/year
Compensated Temperature Range	-10 ~ 50°C
Operating Temperature Range	-20 ~ 80°C
Electrical	
Excitation	11 ~ 32VDC
Analog Output	0~5VDC, 1~5VDC, 0~10VDC, 4~20mA(3Wire)
Digital Output	RS232(19200, 8, n, 1)
Electrical Connection	TAJIMI Connector
Physical	
Proof Pressure	≤100MPa : 150%FS Max. / >100MPa : 110%FS Max.
Burst Pressure	≤100MPa : 200%FS Min. / >100MPa : 110%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 (>35MPa : Stainless Steel 303, Titanium 87% Alloy)
Weight	Connector type : Approx. 270g (Sensor Only)

* Specifications are subject to change without notice

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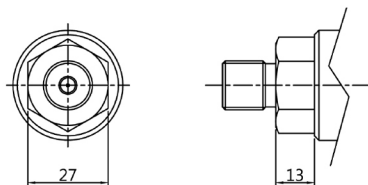
Dimension

► ≤ 35MPa



Pin No.	Wire Color	Connections
A	Green	Analog Output ⊕
B	White	GND
C	Red	Excitation ⊕
D	Blue	RXD
E	Yellow	TXD
F	Black	GND
G	Shield	FG

► > 35MPa



Ordering Information

Model Name	QIQ	C	0100	R	D	T	G	Type of Pressure Measurement
								G : Gauge J : Absolute
Output								Connecting Methods
C : 0~5V, RS232 E : 1~5V, RS232 J : 0~10V, RS232 G : 4~20mA(3Wire), RS232								T : TAJIMI Connector
Pressure Range								Pressure port
XXXX : Pressure CXXX : Compound Pressure								A : R(PT)3/8" 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 I : inchHg T : Torr D : mmH ₂ O C : cmH ₂ O N : inchH ₂ O