



## Series QDB

Corrosion Proof Pressure Transducer



QDB, QDE designed for high precision measurement and consist of ceramic pressure cell. QDB made of QUGF or QUB, the material of component can be against corrosion, it has no seal inner part. QDE precision pressure cell is surrounded by TEFLON and corrosion-resisting O-ring is airtight. These specification be good at corrosion proof, QDE applies to various control equipment.

### Feature

- 4~20mA output
- Measuring range 0~2MPa
- 0.5%FS accuracy
- IP55 Protection
- DI Water, Strong ACID, Strong ALKALI
- Piezoresistive Ceramic Cell
- PTFE media-wetted materials

### Applications

- Semiconductor Manufacturing Equipment
- High-Purity Fluids
- Chemical Process
- Physics and Chemistry Equipment
- Waste Disposing Equipment

## SPECIFICATIONS

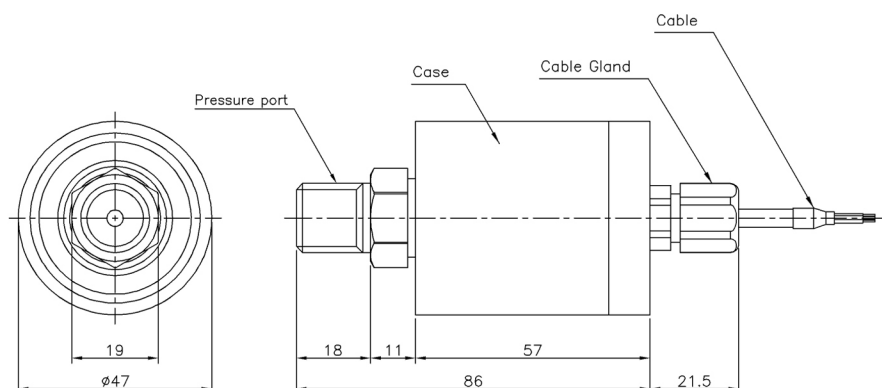
	QDB	QDE
<b>Range</b>		
	0~100, 200, 300, 500, 700, 1000kPa (Gauge)	0~50, 200, 300, 500, 700, 1000, 2000kPa (Gauge)
<b>Performance</b>		
Accuracy	$\pm 0.5\%FS(RSS)$ ( $\leq 100kPa$ : $\pm 0.8\%FS$ )	
Thermal Effect on Zero	$\pm 0.1\%FS/^{\circ}C$ ( $\leq 100kPa$ : $\pm 0.15\%FS/^{\circ}C$ )	
Thermal Effect on Span	$\pm 0.1\%FS/^{\circ}C$ ( $\leq 100kPa$ : $\pm 0.15\%FS/^{\circ}C$ )	
Compensated Temperature Range	10 ~ 50 $^{\circ}C$	
Operating Temperature Range	10 ~ 70 $^{\circ}C$	
<b>Electrical</b>		
Excitation	11 ~ 28VDC	
Output	4~20mA(2WIRE)	
Electrical Connection	Cable	
<b>Physical</b>		
Proof Pressure	120%FS Max.	
Burst Pressure	150%FS Min.	
Vibration	49.1m/s <sup>2</sup> {5G}, 10~500Hz	
Shock	490m/s <sup>2</sup> {50G}	
Pressure port	R(PT)1/4", G(PF)1/4", R(PT)3/8", G(PF)3/8"(Stock)	
Media-Wetted Materials	PTFE	Ceramic(AL <sub>2</sub> O <sub>3</sub> ,99.9%),Teflon Coating, O-ring
Weight	Approx. 200g (include cable 50cm)	

\* Specifications are subject to change without notice

WZO CONTROLS LTD



## Dimension



Wire Color	Connections
Red	Input $\oplus$
Black	Output $\oplus$
Green	
Shield	Earth

## Ordering Information

Model Name	QDB H 0100 R A C A	Option
PCA PCD		A : Normal
Output		Connecting Methods
H : 2Wire 4~20mA		C : Cable
Pressure Range		Pressure port
XXXX : Pressure		A : R(PT)3/8" B : G(PF)3/8" C : R(PT)1/4" D : G(PF)1/4"
		Pressure Unit
		R : kPa M : MPa B : bar K : kgf/cm <sup>2</sup> P : psi H : mmHg C : cmH <sub>2</sub> O