

Piezoelectric Pressure Sensors with Charge Output (Small Size/Light Weight)

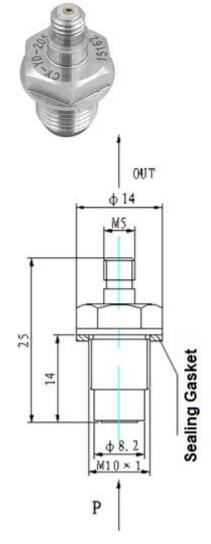
Model: CY-YD-205

Features:

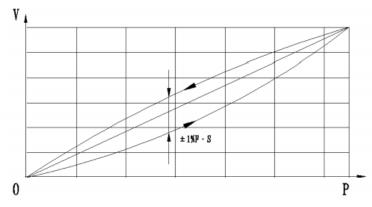
Measurement of pipeline pressure, blast pressure Support static calibration Wide frequency range, high stiffness

Specifications:

Sensitivity	~100 pC/MPa
Measurement Range	0 ~ 30MPa or
	0 ~ 60MPa selectable
Overload Capacity	120%
Non linearity	≤ 1% F.S.
Lag	≤ 1% F.S.
Non Repeatability	≤ 1% F.S.
Mounting Resonance Frequency	> 100 kHz
Operation Temp. Range	-40∼+150 °C
Insulation Resistance	≥10 ¹³ Ω
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Capacitance	7 pF
Mounting Method	7 рF M10 ×1
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Mounting Method	M10 ×1 Quartz High-Strength
Mounting Method Sensing Element	M10 ×1 Quartz
Mounting Method Sensing Element	M10 ×1 Quartz High-Strength
Mounting Method Sensing Element Case Material	M10 ×1 Quartz High-Strength Stainless Steel
Mounting Method Sensing Element Case Material Weight	M10 x1 Quartz High-Strength Stainless Steel 11 g L5 Signal Ground
Mounting Method Sensing Element Case Material Weight Output Type	M10 x1 Quartz High-Strength Stainless Steel 11 g L5
Mounting Method Sensing Element Case Material Weight Output Type	M10 x1 Quartz High-Strength Stainless Steel 11 g L5 Signal Ground
Mounting Method Sensing Element Case Material Weight Output Type Grounding	M10 x1 Quartz High-Strength Stainless Steel 11 g L5 Signal Ground Connected to Case



Schematic diagram



Typical static error curve (3 time average)