

Velocity & Displacement Transducers



CS-YD-002
Piezoelectric
Built-in integration circuit
High sensitivity
Wide frequency response



CS-YD-004
Piezoelectric
Built-in integration circuit
Current output



CS-YD-005
Piezoelectric
Built-in integration circuit
General purpose



CS-CD-001
Magnetolectric
Low frequency compensation circuit
Suitable for ultra-low frequency testing
Vertical and horizontal derivatives



CS-CD-010
Magnetolectric
General purpose
Wide frequency response
Vertical and horizontal derivatives

Piezoelectric Velocity Transducers

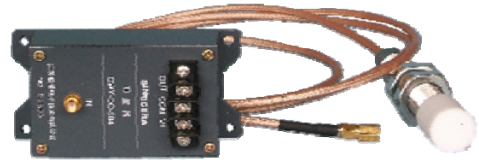
Model (CS-)	Sensitivity	Linear Range (mm/s)	Frequency Range	Temp. Range (°C)	Output	Weight	Mounting Method	Dimensions
YD-002	400mV/mm/s	20	4Hz - 4kHz	-10 to +70	±5V	130g	Screw (M5)	Φ30x55
YD-004	4 - 20mA	0 - 25	10Hz - 1kHz	-10 to +70	4-20mA	100g	Screw (M5)	Φ30x44
YD-005	50mV/mm/s	5,000	4Hz - 4kHz	-10 to +70	±5V	110g	Screw (M5)	Φ30x45

Magnetolectric Velocity Transducers

Model	Sensitivity	Linear Range (mm/s)	Frequency Range	Temp. Range (°C)	Output	Weight	Mounting Method	Dimensions
CS-CD-001	1V/mm/s	10	0.3Hz-60kHz	-10 to +70	±5V	150g	Screw (M5)	Φ43x95
CS-CD-010	30mV/mm/s	50	10Hz - 1kHz	-10 to +70	±5V	140g	Screw (M5)	Φ30x62

Proximity (Displacement) Transducers

Proximity (Displacement) Transducers provide an output voltage directly proportional to the distance between the probe tip and the observed conductive surface. They are capable of both static (position) and dynamic (vibration) measurements, and are primarily used for vibration and position measurement applications on fluid-film bearing machines, as well as in speed measurement applications.



Model (CWY-)	Sensitivity (mV/μm)	Linear Range	Freq. Range	Working Temperature (°C)		Probe Dia.	Power Supply	Mounting Screw
				Probe	Amplifier			
DO-501	8 ± 4%	0-1mm	0 - 5kHz	-30 to +150	0 - 65	Φ8mm	-24V _{DC}	(M10x1)x60
DO-502	8 ± 4%	0-2mm	0 - 5kHz	-30 to +150	0 - 65	Φ8mm	-24V _{DC}	(M10x1)x60
DO-504	4± 4%	0-4mm	0 - 5kHz	-30 to +150	0 - 65	Φ14mm	-24V _{DC}	(M16x1.25)x110
DO-510	0.8 ± 4%	0-10mm	0 - 5kHz	-30 to +150	0 - 65	Φ29mm	-24V _{DC}	(M12x1.25)x110
DO-525	0.4± 4%	0-25mm	0 - 5kHz	-30 to +150	0 - 65	Φ40mm	-24V _{DC}	(M20x2)x110