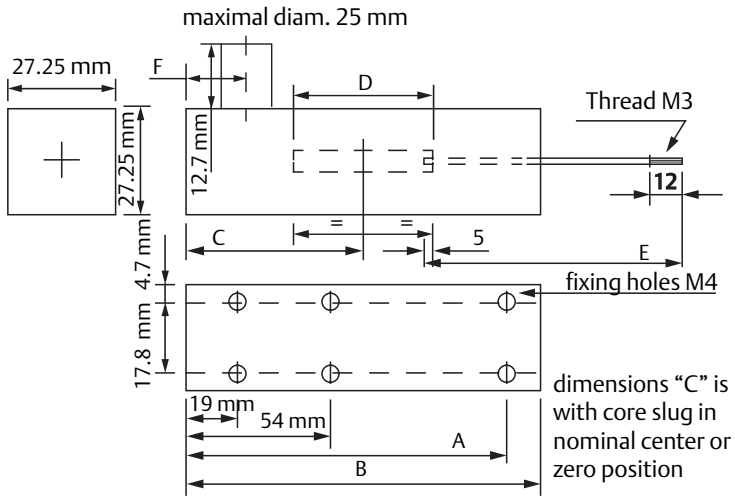
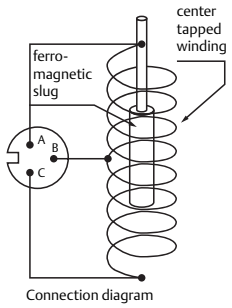
Inductive Sensor

Surface contact sensor designed for critical turbomachinery applications such as steam, gas and hydro turbines, compressors, pumps and fans to measure radial and axial shaft dynamic displacement, position and eccentricity. The PR9350 is designed to work under tough environmental conditions.

Dynamic Performance	Range	Sensitivity	Linearity Error
PR9350/01	±12 mm	110 mV/V	3.5%
PR9350/02	±25 mm	270 mV/V	3.5%
PR9350/04	±50 mm	270 mV/V	2.5%
PR9350/06	±75 mm	310 mV/V	2.0%
PR9350/08	±100 mm	310 mV/V	2.0%
PR9350/12	±150 mm	340 mV/V	1.5%
Environmental			
Operating Temperature Range		-20 to 100°C (-4 to 212°F)	
Temperature Error		<3%	
Power & Electrical			
Supply Voltage		5 V_{rms}	
Carrier Frequency		3 to 5 kHz	
Capacitance		250 pF (each winding)	
Accessories			
Includes Solenoid plunger with M3 threaded rod, Connector Cannon CA06COME10SL3S44 ITT Can			

Physical							
	Grams	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
PR9350/01	170	N/A	76.6	39.2	60.3	85.1	16
PR9350/02	255	108	127	65.4	76.2	123.2	25.4
PR9350/04	370	197	229	112	150	144.1	25.4
PR9350/06	510	311	330	169.5	200	238.1	25.4
PR9350/08	660	413	432	218.8	247.7	292.1	25.4
PR9350/12	860	616	635	319.9	342.9	311.2	25.4





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