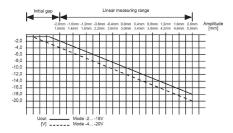
16mm Eddy Current Sensor

Non-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, eccentricity and speed/key.

Dynamic Performance					
Sensitivity/Linearity	4 V/mm (101.6 mV/mil) ≤ ±1.5%				
Air Gap (Center)	Approx. 2.7 mm (0.11") Nominal				
Long Term Drift	<0.3%				
Range: Static	±2.0 mm (0.079")				
Dynamic	0 to 1,000μm (0 to 0.039")				
Target					
Target/Surface Material	Ferromagnetic Steel (42 Cr Mo4 Standard)				
Maximum Surface Speed	2,500 m/s (98,425 ips)				
Shaft Diameter	≥80mm				
Environmental					
Operating Temperature Range	-35 to 150°C (-31 to 302°F)				
Temperature Error	<4%/100°K (API 670 Compliant)				
Pressure Resistance to Sensor Head	10,000 hPa (145 psi)				
Shock and Vibration	5g @ 60Hz @ 25°C (77°F)				
Physical					
Material	Sleeve – Stainless Steel, Cable – PTFE				
Weight (Sensor & 1M Cable, no Armor)	~200 grams (7.05 oz)				













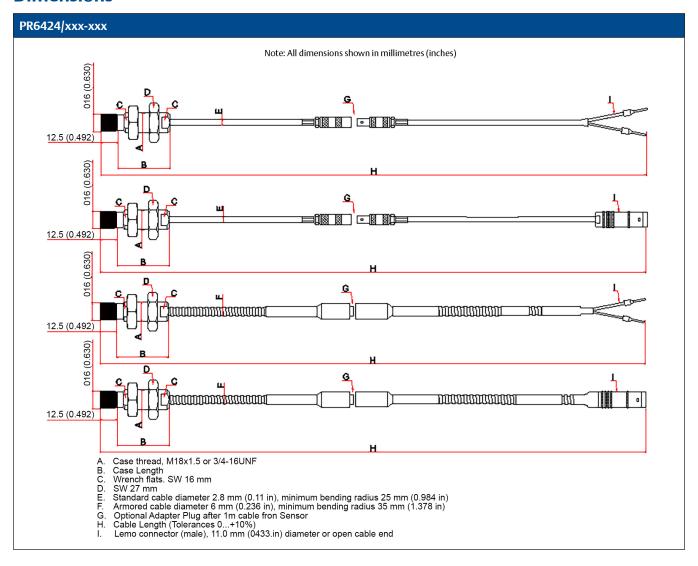
Compliance and Certifications				
CE	2014/30/EU (EN 61326-1) 2014/34/EU 2011/65/EU			
ATEX	EN 60079-0 EN 60079-11			
IEG-Ex	IEC 60079-0 IEC 60079-11 IEC 60079-26			
CSA	CAN/CSA-C22.2 NO. 0-M91 CAN/CSA-C22.2 NO. 157-92 CAN/CSA-C22.2 NO. 213-M1987 CAN/CSA-E60079-15-02 (R2006) CAN/CSA-C22.2 NO. 25-1966 CAN/CSA-C22.2 NO. 61010-1-04 ANSI/UL Standard 913-2004 ANSI/UL Standard 1604-1995 UL 60079-15 2002 UL 61010-1			

Hazardous Area Approvals

Compliance and Certifications	
ATEX / IEC-Ex	Area classification depends on converter, see converter documentation for details, sensor temperature classification: T6: Ta ≤ 84°C T4: Ta ≤ 114°C T3: Ta ≤ 160°C
CSA	Area classification depends on converter, see converter documentation for details, sensor temperature classification: T6: Ta ≤ 64°C T4: Ta ≤ 114°C T3: Ta ≤ 160°C
Non-sparking (nA)	
CSA	Area classification depends on converter, see converter documentation for details, sensor temperature classification: T6: Ta ≤ 64°C T4: Ta ≤ 114°C T3: Ta ≤ 160°C

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Dimensions



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Ordering Information

Order Matrix	PR6424	Х	Х	Х	-	Х	Х	X
Sleeve Thread	M18x1.5 3/4"-16 UNF	0 1						
Armored Cable	WITH WITHOUT		1 0					
Total Sensor Length C=Cx +12.5mm	0(Cx=40mm), 1(50), 2(60), 3(70), 4(80), 5(90), 6(100), 7(110), 8(120), 9(130), A(140), B(150), C(160), D(170), E(180), F(190), G(200), H(210), J(220), K(230), L(240) M(250), N(260), P(270), Q(280), R(290)			Х				
Adaptor Plug	WITH WITHOUT					0 1		
Total Cable Length	0(4m), 1(5m), 2(6m), 3(8m), 4(10m)						Х	
Cable End	LEMO OPEN							0 1

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