LEMO CONNECTOR

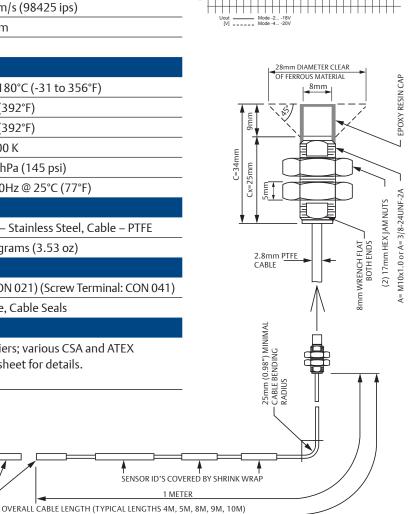
ADAPTOR -

8mm 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.

	E		
Sensitivity		8 V/mm (203.2 V/inch) ±1% max	_
Air Gap (Center)		approx. 1.5 mm (0.06") nominal	_
Long Term Drift		< 0.3%	Initial ga
Range:	Static	±1 mm (0.040")	
	Dynamic	0 to 500μm (0 to 0.020")	-4,0 -6,0 -8,0
TARGET			-10,0 -12,0 -14,0
Target/Surface Material		Ferromagnetic. steel (42 Cr Mo 4 standard)	-16,0 -18,0
Maximum Surface Speed		2500 m/s (98425 ips)	-20,0
Shaft Diameter		≥25mm	Uout [V] .
Linearity Error		≤ ±1%	-
ENVIRONMENTAL			
Operating Temperature Ra	nge	-35 to 180°C (-31 to 356°F)	_
Temperature Excursions <4	Hours	200°C (392°F)	_
Maximum Cable Temperat	ure	200°C (392°F)	_
Temperature Error(accordi	ng to API 670):	<2%/100 K	_
Pressure resistance to sens	or head	10000 hPa (145 psi)	-
Shock and Vibration		5g @ 60Hz @ 25°C (77°F)	
PHYSICAL			
Material		Sleeve – Stainless Steel, Cable – PTFE	_
Weight (Sensor & 1M Cable	e, no Armor)	~100 grams (3.53 oz)	
ACCESSORIES			
Required – Converter (Lemo	o Connector: CO	N 011, CON 021) (Screw Terminal: CON 041)	
Optional – Mounting Brack	et, Metal Prote	ction Tube, Cable Seals	
AGENCY APPROVALS			
Dependent on Converter, n agency approvals are stanc	9	•	





1 METER



Specifications Sheet

January 2014

ORDER MATRIX	PR6423	X	X	Х	-	Х	Х	Х
Sleeve Thread:	M10x1 3/8-24UNF-2A	0 1						
Armored Cable	WITHOUT WITH		0 1					
Total Sensor Length C=Cx +9mm	n 1(Cx=25mm), 2(45), 3(55),4(65),5(75), 6(85), 7(95), 8(105), 9(115mm)			Х				
Cable Termination	WITH WITHOUT					0 1		
Total Cable Length	0(4m), 1(5m), 2(6m), 3(8m), F(9m), 4(10m)						Х	
Cable End	LEMO OPEN							0 1

©2014, Emerson Process Management.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the designs or specifications of our products at any time without notice.

All rights reserved. AMS, PeakVue, and Machinery Health are marks of one of the Emerson Process Management group of companies. The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are the property of their respective owners.



Emerson Process Management Asset Optimization 835 Innovation Drive Knoxville, TN 37932 T (865)675-2400 F (865)218-1401