

Requirement: Proximity Sensor (and all allied accessories including signal processing unit, synchronisation cable and power cable). Should be compatible with National Instruments Data Acquisition Card NI9205

Quantity:

Sensor	2
Signal Processing unit	2
Synchronisation Cable	1
Power Cable	2

Application: Condition monitoring of Gear box and Bearing.

Specification:

Ferromagnetic Target	Yes
Measuring Range	<1mm
Start of measuring range	<0.1mm
Linearity	$\leq \pm 0.25$ % F.S.O.
Static resolution	<0.05 μm , 0.005 % F.S.O
Frequency response	>25 kHz (Higher frequency will be preferred)
Operating temperature	-25 to 100 °C
Storage temperature	-25 to 100 °C
Temperature stability	≤ 0.025 % F.S.O / °C
Temperature compensation	Standard: 10 up to 65 °
Repeatability	<0.1mm
Power supply	24 VDC/ 250A
Water and Dust Resistance	IP64 or above
Min. target size (flat)	Ø 8mm
Pressure Resistance	20 bar or above
Sensor type	Shielded
Mounting Cable Gland size	M8