

BENTLY NEVADA TECHNICAL DOCUMENT

Product Data Sheet

330180-50-05

01

PRODUCT IDENTIFICATION

Manufacturer	Bently Nevada
Model	330180-50-05
Family	3300 XL 8 mm Proximity Transducer System
Product type	3300 XL Proximito Sensor

02

VERIFIED TECHNICAL DATA

Sensor family	3300 XL Proximito Sensor
System length option	50: 5.0 metres (16.4 feet)
Mounting option	Panel mount
Agency approval option	05: CSA, ATEX and IECEx approvals
Nominal scale factor	7.87 V/mm (200 mV/mil)
Linear range	2.0 mm (80 mil)
Frequency response	0 to 10 kHz, typical
Output resistance	50 ohm

03

REMAINING TECHNICAL DATA

Supply voltage	-17.5 to -26 VDC
Compatible probe system	3300 XL 8 mm

04

TECHNICAL AND APPLICATION NOTES

330180-50-05 is a 3300 XL Proximity Sensor configured for a 5.0-metre system length, panel mounting and CSA, ATEX and IECEx approvals. Use it only with a correctly matched 3300 XL 8 mm probe and extension cable combination. Confirm total electrical length, mounting and approval markings before replacement.

05

APPLICATIONS

- Radial shaft vibration measurement
- Axial shaft position measurement
- Rotor eccentricity measurement
- Differential expansion measurement
- Keyphasor phase-reference measurement

06

INSTALLATION CONTROL

Confirm model 330180-50-05 and approval markings. Verify gap voltage, scaling and monitor response.