

3300 XL 8 MM PROXIMITY TRANSDUCER SYSTEM

Product Data Sheet

330101-00-50-05-02-00

8 mm proximity probe

PROBE CASE THREAD	TOTAL PROBE LENGTH	NOMINAL PROBE DC RESISTANCE	CABLE CHARACTERISTIC IMPEDANCE
3/8-24 UNF-2A	0.5 m	7.45 +/-0.50 ohm	75 ohm

Bently Nevada 330101-00-50-05-02-00 is a standard, unarmored 3300 XL 8 mm eddy-current proximity probe with a 3/8-24 UNF-2A thread. It works with the matched extension cable and Proximitor sensor for non-contact shaft vibration and position measurement.

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VERIFIED TECHNICAL DATA

Probe case thread	3/8-24 UNF-2A
Total probe length	0.5 m
Nominal probe DC resistance	7.45 +/-0.50 ohm
Cable characteristic impedance	75 ohm
Connector configuration	Miniature coaxial ClickLoc; no connector protector
Cable armor	None
Agency approval option	Not required; code 00
Probe tip material	Polyphenylene sulfide (PPS)
Probe case material	AISI 303 or 304 stainless steel
Standard cable insulation	Fluoroethylene propylene (FEP)

ADDITIONAL PRODUCT DATA

Probe operating and storage temperature	-52 to +177 deg C
Recommended case torque	11.2 N m; standard forward mount
Matched-system linear range	2 mm; approximately 0.25 to 2.30 mm gap
Matched-system nominal scale factor	7.87 V/mm (200 mV/mil)
Matched-system frequency response	0 to 10 kHz; +0/-3 dB

DOCUMENTED USE SETTINGS

Hydroelectric Energy and Pumped Storage Industry Sectors: Conventional Hydroelectric Energy.

Thermal Electricity and Combined Cycle Energy Industries: Thermal Power Generation.

Upstream Petroleum and Natural Gas Industry Sectors: Offshore Oil and Gas.

SYSTEM COMPATIBILITY

Bently Nevada 330101-00-50-05-02-00 is a standard, unarmored 3300 XL 8 mm eddy-current proximity probe with a 3/8-24 UNF-2A thread. It works with the matched extension cable and Proximitor sensor for non-contact shaft vibration and position measurement.

OFFICIAL SOURCE

Bently Nevada 141194 Rev. AN; pp. 4-9, 13 and 35

AMIKON PRODUCT SUPPORT

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