

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Bently Nevada 330101-00-44-15-02-CN

3300 XL 8 mm unarmored proximity probe

THREAD	PROBE LENGTH	CASE	ARMOR
3/8-24 UNF	1.5 m total	4.4 in	Without armor

Bently Nevada 330101-00-44-15-02-CN specifies a 4.4-inch case, 1.5-metre total probe length and standard cable without an included connector protector. It is a sensing component in a correctly configured Proximitor system, not a 1.5-metre complete system.

01

VERIFIED PRODUCT IDENTITY

Product model	330101-00-44-15-02-CN
Probe component	3300 XL 8 mm standard-mount proximity probe
Mounting thread	3/8-24 UNF-2A, without armor
Unthreaded length, option 00	0.0 in
Overall case length, option 44	4.4 in
Total probe length, option 15	1.5 m; not a complete electrical system length
Connector / cable, option 02	Miniature ClickLoc; standard cable; no protector included
Approval option CN	Country-specific selection; verify supplied-unit markings

Ordering basis: Datasheet 141194 Rev. AM, pp. 13 and 35. CN selection is confirmed by Approvals Guide 108M1756 Rev. AV, pp. 10 and 26; check the actual supplied unit's markings.

02 TECHNICAL DATA

Probe tip	8.0 mm diameter; polyphenylene sulfide (PPS)
Probe case material	AISI 303 or 304 stainless steel
Standard cable construction	75 ohm triaxial cable with FEP insulation
Nominal DC resistance, 1.5 m probe	7.73 +/- 0.50 ohm, center to outer conductor
Case-to-lead tensile rating	330 N maximum rated
Operating / storage temperature	-52 to +177 C; pressure-seal warning below -34 C

03 APPLICATION & SYSTEM CHECKS

- Radial shaft vibration on fluid-film bearing machinery, with suitable shaft geometry and probe separation.
- Static position measurement against a conductive target, within the correctly configured system range.
- Keyphasor reference and speed measurement; review the separate application guidance for overspeed use.

The 1.5-metre selection identifies total probe length, not a standard complete system length. Select the documented extension cable and Proximitor combination; do not infer compatibility merely by adding cable lengths. Mixed XL/non-XL systems have lower non-XL performance limits.

04 OFFICIAL DOCUMENTATION

Bently Nevada Datasheet 141194 Rev. AM

Approvals Quick Reference Guide 108M1756 Rev. AV

Source sections: system and compatibility pp. 1-4; applications pp. 1-2; mechanical and environmental data pp. 7-9; ordering p. 13; probe drawing p. 35. No packed dimensions, gross weight, hardware revision or exact successor is asserted.

AMIKON PRODUCT SUPPORT

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