

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Bently Nevada 330102-00-70-10-01-05

3300 XL 8 mm armored proximity probe

THREAD	PROBE LENGTH	CASE	ARMOR
3/8-24 UNF	1.0 m total	7.0 in	Stainless steel

Bently Nevada 330102-00-70-10-01-05 has a seven-inch case, zero unthreaded length and armored cable construction within the 3300 XL 8 mm family. Its one-metre total length and protected ClickLoc connector identify the required probe configuration independently of the installation's mounting depth.

01

VERIFIED PRODUCT IDENTITY

Product model	330102-00-70-10-01-05
Probe component	3300 XL 8 mm standard-mount armored probe
Mounting thread	3/8-24 UNF-2A, with armor
Unthreaded length, option 00	0.0 in
Overall case length, option 70	7.0 in
Total probe length, option 10	1.0 m; not exposed cable length
Connector / cable, option 01	Miniature ClickLoc with protector; standard cable
Approval option 05	CSA, ATEX and IECEx; actual certificate conditions apply

Ordering basis: Datasheet 141194 Rev. AM, pp. 13 and 35. Case length uses 0.1-inch increments; the total probe length uses the separate metre-based C option.

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 m probe	7.59 +/- 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.

A one-metre system has no extension cable but still needs the appropriate one-metre Proximitor sensor. Other lengths require the documented full sensing chain. Mixing XL and non-XL components lowers applicable system performance to the non-XL limits.

04 OFFICIAL DOCUMENTATION

Bently Nevada Datasheet 141194 Rev. AM

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

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM