

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Bently Nevada 330171-00-08-20-02-00

3300 5 mm standard-mount proximity probe, 1/4-28 UNF-2A, without armor

THREAD	LENGTH	CASE	ARMOR
1/4-28 UNF	2.0 m	0.8 in	Unarmored

Bently Nevada 330171-00-08-20-02-00 is a standard 3300 5 mm proximity probe with a compact 0.8-inch imperial case and two-metre total length. The unarmored assembly uses standard cable and a ClickLoc connector without an included connector protector.

01

VERIFIED PRODUCT IDENTITY

Product model	330171-00-08-20-02-00
Mounting thread	1/4-28 UNF-2A
Unthreaded length	0.0 in
Overall case length	0.8 in
Total probe length	2.0 m
Cable armor	Unarmored
Connector package	Miniature coaxial ClickLoc; no connector protector included

Exact ordering basis: 172036 Rev. T. 00 approval ordering selection; do not infer hazardous-area certificates. Product configuration dimensions are not package dimensions.

02 TECHNICAL DATA

Probe cable construction	75-ohm triaxial cable with FEP insulation
Probe tip material	Polyphenylene sulfide (PPS)
Probe case material	AISI 303 or 304 stainless steel
Probe temperature range	-35 to +177 deg C; pressure-seal caveat below -34 deg C
Nominal probe DC resistance	7.88 +/- 0.50 ohm, center to outer conductor
Probe case-to-lead tensile rating	222 N maximum rated
Minimum cable bend radius	25.4 mm
Recommended probe-case torque	5.1 N m

03 APPLICATION & SYSTEM CHECKS

- Position sensing between bearing pads.
- Radial measurement where mounting space is limited.
- Rotational reference acquisition.

Its smaller physical package supports installations where an 8 mm probe cannot fit, while the complete channel uses the specified XL extension cable and Proximitor. Reduced tip size does not provide NSv sideview performance, so target spacing, mounting clearance and system-length selection still require engineering checks.

04 OFFICIAL DOCUMENTATION

Bently Nevada 172036 Rev. T - official manufacturer source

Applicable source sections: 172036 pp1-6,10; 108M1756 p27. No hardware revision, lifecycle date, exact successor or unverified shipping values are asserted.