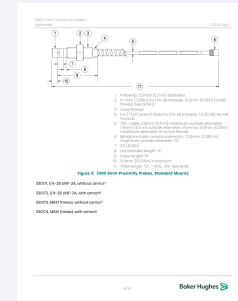


AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Bently Nevada 330171-00-33-50-01-05

3300 5 mm Proximity Probe



CASE	TOTAL LENGTH	THREAD	WEIGHT
3.3 in	5.0 m	1/4-28 UNF	0.32 kg typical

Bently Nevada 330171-00-33-50-01-05 is a 330171 3300 5 mm proximity probe with 1/4-28 UNF thread, no armor, 0.0-inch unthreaded length, 3.3-inch overall case length, and 5.0-meter total length. The order includes a miniature coaxial ClickLoc connector with connector protector, standard cable, and the multiple-approvals option.

01 VERIFIED PRODUCT PARAMETERS

Unthreaded length option	0.0 in (0 mm)
Overall case length option	3.3 in (83.8 mm)
Total length option	5.0 m (16.4 ft)
Connector option	Miniature coaxial ClickLoc connector with connector protector, standard cable
Agency approval option	Multiple Approvals
Probe thread	1/4-28 UNF-2A
Probe construction	Without armor; AISI 303 or 304 stainless-steel case
Probe tip diameter	5.2 mm (0.21 in)
Recommended gap	1.27 mm (50 mils)
Linear range	0.25 to 2.3 mm (10 to 90 mils)

Technical values were verified against Bently Nevada 3300 5 mm Transducer System Datasheet 172036 Rev. T. Confirm the exact order number and current controlled documentation before procurement or installation.

02 MODEL CONFIGURATION VERIFICATION

Product model	330171-00-33-50-01-05
Product designation	330171 3300 5 mm probe, 1/4-28 UNF, without armor
Frequency response	0 to 10 kHz, +0/-3 dB
Typical probe weight	323 g (0.32 kg)
Published dimensions	0.52 x 8.38 x 500.0 cm (tip diameter x case length x total length)

03 SYSTEM ROLE AND APPLICATIONS

The probe operates as part of the documented 3300 5 mm transducer system with a compatible 3300 XL extension cable when required and a 3300 XL Proximity Sensor. It measures static position and dynamic vibration on conductive targets and must be installed using the published gap, thread, bend-radius, connector, target-clearance, and hazardous-area requirements.

- Radial shaft-vibration measurement on fluid-film bearing machinery
- Axial shaft-position monitoring
- Keyphasor phase-reference measurement
- Rotational-speed measurement with an eddy-current proximity probe
- Vibration or position measurement where the longer 3.3-inch case is required for probe reach

04 OFFICIAL INSTALLATION FACTS

- Verify the complete 330171-00-33-50-01-05 order code and decode every AA-BB-CC-DD-EE option before work begins.
- Confirm the 0.0-inch unthreaded length, 3.3-inch case length, 5.0-meter total length, connector protector, standard cable, and multiple-approvals option.
- Prepare a 1/4-28 mounting thread, limit thread engagement to 0.375 in, and tighten the probe case to 5.1 N m recommended without exceeding 7.3 N m.
- Maintain a minimum 25.4 mm cable bend radius and protect the non-armored FEP-insulated cable from abrasion, sharp edges, oil paths, and excessive strain.

05 OFFICIAL DOCUMENTATION

Bently Nevada 3300 5 mm Transducer System Datasheet 172036 Rev. T

AMIKON PRODUCT SUPPORT

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