3300 XL NSV

Product Data Sheet

330903-00-17-10-02-05

Unarmored proximity sensing probe

CASE THREAD	CASE LENGTH	TOTAL PROBE LENGTH	CABLE EXECUTION
M8 x 1	**170 mm**	**1.0 m**	**Without armor**

Bently Nevada 330903-00-17-10-02-05 is a 3300 NSv proximity probe with a M8 x 1 standard-mount case. It measures non-contact shaft vibration and position through a matched 3300 XL NSv extension cable and Proximitor sensor. The NSv design supports restricted counterbore and side-view clearances.

01 TECHNICAL DATA

Case thread	M8 x 1
Unthreaded length	0 mm
Overall case length	170 mm
Total probe length	1.0 m
Lead construction	Without armor
Connector selection	02: miniature coaxial ClickLoc, standard cable
Connector protector	Not fitted
Agency approval selection	05: multiple approvals
Cable impedance	75 ohm
Cable insulation	FEP

Bently Nevada 147385 Rev. R; approval guide 108M1756 Rev. AV.

02 ADDITIONAL PRODUCT DATA

Probe tip material	Polyphenylene sulfide (PPS)
Probe case material	AISI 304 stainless steel
Probe DC resistance	4.2 +/- 0.5 ohm
Matched-chain linear range	1.5 mm; approximately 0.25 to 1.75 mm
Nominal matched-chain scale	7.87 V/mm (200 mV/mil)

03 PRODUCT FUNCTION

This execution has a 170 mm overall case, zero unthreaded length and a 1.0 m unarmored standard FEP-insulated lead. Connector option 02 supplies a miniature coaxial ClickLoc connection without a fitted protector. The assembly uses a PPS sensing tip and an AISI 304 stainless steel case. The final 05 field selects multiple approvals; the delivered marking and applicable certificate define the approved installation conditions.

04 SYSTEM COMPATIBILITY

Pair the 1.0 m probe lead with a 4 m extension for a 5 m chain or a 6 m extension for a 7 m chain. Use the matching NSv Proximitor calibration. The standard 7.87 V/mm scale and 1.5 mm linear range apply to the complete matched chain under the published AISI 4140 target conditions.

05 REFERENCE

Bently Nevada 147385 Rev. R; approval guide 108M1756 Rev. AV.

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