3300 XL NSV

Product Data Sheet

330905-00-16-10-02-00

Unarmored proximity sensing probe

CASE THREAD	CASE LENGTH	TOTAL PROBE LENGTH	CABLE EXECUTION
M10 x 1	**160 mm**	**1.0 m**	**Without armor**

Bently Nevada 330905-00-16-10-02-00 is a 3300 NSv proximity probe with a M10 x 1 standard-mount case. It supports non-contact radial vibration, position, speed and phase-reference measurements in the matched 3300 XL NSv sensing chain, including installations with restricted side-view clearance.

01 TECHNICAL DATA

Case thread	M10 x 1
Unthreaded length	0 mm
Overall case length	160 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	00: not required
Cable impedance	75 ohm
Cable insulation	FEP

Bently Nevada 3300 XL NSv Datasheet 147385 Rev. R; specifications, metric ordering and standard-mount drawing.

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

The ordered body is 160 mm long with no unthreaded section. Its 1.0 m FEP-insulated lead is unarmored, terminating in a standard miniature coaxial ClickLoc connector without a fitted protector. The PPS sensing tip and AISI 304 case form the probe assembly; the final 00 option does not request agency approvals.

04 SYSTEM COMPATIBILITY

The 1.0 m probe lead combines with a 4.0 m extension for a 5 m NSv chain or a 6.0 m extension for a 7 m chain. Match the Proximitor calibration to that total. Standard specifications use an AISI 4140 steel target; the nominal sensitivity is 7.87 V/mm and the linear range is approximately 0.25 to 1.75 mm.

05 REFERENCE

Bently Nevada 3300 XL NSv Datasheet 147385 Rev. R; specifications, metric ordering and standard-mount drawing.

AMIKON PRODUCT SUPPORT

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