3300 XL 8 MM

Product Data Sheet

330103-00-10-10-01-00

Unarmored proximity sensing probe

CASE THREAD	UNTHREADED SECTION	CASE LENGTH SELECTION	TOTAL PROBE LEAD
M10 x 1	**0 mm**	**100 mm**	**1.0 m**

Bently Nevada 330103-00-10-10-01-00 is a 3300 XL 8 mm proximity probe with a M10 x 1 threaded case. It senses the distance to a conductive target without contact and passes its signal through the probe lead to the matched Proximitor electronics.

01 TECHNICAL DATA

Case thread	M10 x 1
Unthreaded section	0 mm
Case length selection	100 mm
Total probe lead	1.0 m
Lead armor	Without armor
Connector protector	Connector protector fitted
Cable impedance	75 ohm
Cable insulation	FEP
Probe tip construction	PPS
Case metal	AISI 303 or 304 stainless steel

Bently Nevada 3300 XL 8 mm Datasheet 141194 Rev. AM, applicable specification, ordering and dimensional sections.

02 ADDITIONAL PRODUCT DATA

Coaxial connector	Miniature ClickLoc
Approval selection	00: not required
Probe resistance	7.59 +/- 0.50 ohm
Maximum case torque	33.9 N m
Maximum M10 thread engagement	15 mm

03 PRODUCT FUNCTION

This configuration has a 0 mm unthreaded section, a 100 mm case-length selection and a 1.0 m total lead. The lead construction is without armor, with a miniature ClickLoc connector and connector protector fitted. The 3300 XL 8 mm sensing chain uses a compatible probe, extension and Proximitor calibration rather than treating the probe as a standalone voltage transmitter.

04 SYSTEM COMPATIBILITY

The specified matched chain has a 0.25 to 2.3 mm linear operating span and a nominal 7.87 V/mm scale factor on the documented AISI 4140 steel target. Use the 1.27 mm reference gap as described by the manufacturer, allowing for the required static position or dynamic travel.

05 REFERENCE

Bently Nevada 3300 XL 8 mm Datasheet 141194 Rev. AM, applicable specification, ordering and dimensional sections.

AMIKON PRODUCT SUPPORT

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