3300 XL NSV

# Product Data Sheet

## 330905-00-25-05-02-IN

Unarmored proximity sensing probe

| CASE THREAD | UNTHREADED SECTION | CASE LENGTH SELECTION | TOTAL PROBE LEAD |
|---|---|---|---|
| **M10 x 1** | **0 mm** | **250 mm** | **0.5 m** |

Bently Nevada 330905-00-25-05-02-IN is a 3300 XL NSv 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 | 250 mm |
| Total probe lead | 0.5 m |
| Lead armor | Without armor |
| Connector protector | No connector protector |
| Cable impedance | 75 ohm |
| Cable insulation | FEP |
| Probe tip construction | PPS |
| Case metal | AISI 304 stainless steel |

Bently Nevada 3300 XL NSv Datasheet 147385 Rev. R, applicable specification, ordering and dimensional sections.

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Coaxial connector | Miniature ClickLoc |
| Probe resistance | 4.0 +/- 0.5 ohm |
| Matched-chain linear range | 1.5 mm |
| Nominal matched-chain scale | 7.87 V/mm |
| Matched calibration target | AISI 4140 steel |

## 03 PRODUCT FUNCTION

This configuration has a 0 mm unthreaded section, a 250 mm case-length selection and a 0.5 m total lead. The lead construction is without armor, with a miniature ClickLoc connector and no connector protector. The 3300 XL NSv 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 1.75 mm linear operating span and a nominal 7.87 V/mm scale factor on the documented AISI 4140 steel target. Use the 1.0 mm reference gap as described by the manufacturer, allowing for the required static position or dynamic travel.

## 05 REFERENCE

Bently Nevada 3300 XL NSv Datasheet 147385 Rev. R, applicable specification, ordering and dimensional sections.

**AMIKON PRODUCT SUPPORT**

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**