

INDUSTRIAL AUTOMATION PRODUCT

330102-00-70-10-02-05

Proximity Probe

Bently Nevada 330102-00-70-10-02-05 is a stainless-steel armored 3/8-24 UNF 3300 XL 8 mm proximity probe with 7.0 in case identity, 1.0 m probe lead and miniature clickloc coaxial connector with standard cable.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL 8 mm Proximity Transducer System
Part number	330102-00-70-10-02-05

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
probe family	3300 XL 8 mm
mounting thread	3/8-24 UNF
cable protection	Stainless-steel armored
unthreaded length code	0.0 in
overall case-length code	7.0 in
total probe-lead length	1.0 m
connector and cable option	miniature ClickLoc coaxial connector with standard cable
agency-approval option	CSA, ATEX and IECEx
linear measurement range	2.0 mm (80 mils)
incremental scale factor	7.87 V/mm (200 mV/mil)
frequency response	0 to 10 kHz, +0/-3 dB
recommended gap	approximately 1.27 mm (50 mils) at -9 V DC

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	matched 3300 XL 8 mm extension cable
Companion hardware	compatible 3300 XL Proximitor Sensor
Field connection	approved target surface
Primary system function	Uses the 3300 XL 8 mm transducer architecture
Controlled acceptance duty	Radial shaft vibration



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System Role and Architecture

Bently Nevada 330102-00-70-10-02-05 is a stainless-steel armored 3/8-24 UNF 3300 XL 8 mm proximity probe with 7.0 in case identity, 1.0 m probe lead and miniature clickloc coaxial connector with standard cable.

FUNCTION 1

Uses the 3300 XL 8 mm transducer architecture

FUNCTION 2

Provides the documented 3/8-24 UNF mounting identity

FUNCTION 3

Retains the 1.0 m probe-lead option

FUNCTION 4

Uses the miniature clickloc coaxial connector with standard cable connection option

Matched system components

- matched 3300 XL 8 mm extension cable
- compatible 3300 XL Proximitor Sensor
- approved target surface
- configured monitor channel

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	matched 3300 XL 8 mm extension cable
Companion hardware	compatible 3300 XL Proximitor Sensor
Field connection	approved target surface
Primary system function	Uses the 3300 XL 8 mm transducer architecture
Controlled acceptance duty	Radial shaft vibration



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Applications and Engineering Context

Radial shaft vibration

Uses the 3300 XL 8 mm transducer architecture

Axial position monitoring

Provides the documented 3/8-24 UNF mounting identity

Phase reference measurement

Retains the 1.0 m probe-lead option

Exact probe replacement

Uses the miniature clickloc coaxial connector with standard cable connection option

TECHNICAL NOTE

Preserve the 3/8-24 UNF mounting, 7.0 in case identity, 1.0 m lead, connector option, target material, system length and approved response when replacing 330102-00-70-10-02-05.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330102-00-70-10-02-05 / 330102-00-70-10-02-05 recorded
Physical interface	matched 3300 XL 8 mm extension cable
Companion check	compatible 3300 XL Proximity Sensor
Functional proof	Uses the 3300 XL 8 mm transducer architecture
Application test	Radial shaft vibration



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Engineering Precautions

- 1 Verify the complete 330102-00-70-10-02-05 marking and its assigned 3300 XL 8 mm Proximity Transducer System position before work.
- 2 Place the connected radial shaft vibration process in the approved maintenance state.
- 3 Isolate the documented power, signal and stored-energy sources before disconnecting the transducer or module.
- 4 Record every connector, cable route, shield, polarity, channel assignment and host configuration before removal.
- 5 Use ESD-safe handling and protect coaxial, terminal and keyed interfaces from contamination or mechanical damage.

RELATED BENTLY NEVADA PRODUCTS ON APTER POWER

BRAND + MODEL	RELATED PRODUCT	APTER POWER LINK
Siemens 6SE7041 8EK85 1HA0	Bently Nevada monitoring product	Open Bently Nevada page
Siemens 6SE7041 8EK85 0HA0	Bently Nevada monitoring product	Open Bently Nevada page
Siemens 6SE7041 8GK85 0HA0	Bently Nevada monitoring product	Open Bently Nevada page
Siemens 6RA8075 6DS22 0AA0	Bently Nevada monitoring product	Open Bently Nevada page
Siemens 6SL3350 6TK00 0BA0	Bently Nevada monitoring product	Open Bently Nevada page
Siemens 6SL3351 1AE37 5BA1	Bently Nevada monitoring product	Open Bently Nevada page
Siemens 6SL3352 1AE37 5BA1	Bently Nevada monitoring product	Open Bently Nevada page
Siemens 6SE7090 0XX84 3DB1	Bently Nevada monitoring product	Open Bently Nevada page
Ics Triplex TC 301 02 4M5	Bently Nevada monitoring product	Open Bently Nevada page
Ics Triplex T8431C	Bently Nevada monitoring product	Open Bently Nevada page

MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet

141194 Rev. AM

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