

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.

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL 8 mm Proximity Transducer System

PART

330102-00-70-10-02-05

PRODUCT TYPE

Proximity Probe

APTER POWER SALES TEAM

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PRODUCT OVERVIEW

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.

1

Uses the 3300 XL 8 mm transducer architecture

2

Provides the documented 3/8-24 UNF mounting identity

3

Retains the 1.0 m probe-lead option

4

Uses the miniature clickloc coaxial connector with standard cable connection option

SYSTEM COMPONENTS

matched 3300 XL 8 mm extension cable

compatible 3300 XL Proximitior Sensor

approved target surface

configured monitor channel

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.



TECHNICAL DATA

PARAMETER	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

PARAMETER	VALUE
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 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.

RELATED BENTLY NEVADA PRODUCTS ON APTER POWER

BRAND + MODEL	RELATED PRODUCT	APTER POWER LINK
Bently Nevada 147364 01	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 149844 01	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada TK 3E 177313 02 01	Bently Nevada monitoring product	Open Bently Nevada page
Acs Motion Control DDM3U 1 320V 30A SR	Bently Nevada monitoring product	Open Bently Nevada page
Honeywell 8C TAOXB1 51307137 175	Bently Nevada monitoring product	Open Bently Nevada page
Bently Nevada 330500 04 00	Bently Nevada monitoring product	Open Bently Nevada page



APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

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

MORE RELATED BENTLY NEVADA PRODUCTS

Nord SK700E 151 340 A

Bently Nevada product - open page

KEYENCE CA LH8

Bently Nevada product - open page

Siemens 6ES7193 4JA00 0AA0

Bently Nevada product - open page

Allen-Bradley 1794 IE8

Bently Nevada product - open page

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PRODUCT 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.
- 6 Confirm the installed matched 3300 XL 8 mm extension cable and compatible 3300 XL Proximitor Sensor against the approved project record.
- 7 Restore power in a controlled sequence and review transducer, monitor and host diagnostics.
- 8 Prove the intended axial position monitoring function and retain the final controlled acceptance result.

ENGINEER FAQ

Q1 Which probe family identifies Bently Nevada 330102-00-70-10-02-05?

3300 XL 8 mm Proximity Transducer System Datasheet documents the probe family as 3300 XL 8 mm. Confirm the complete 330102-00-70-10-02-05 marking and the installed-system record before service.

Q3 How must the cable protection of Bently Nevada 330102-00-70-10-02-05 be matched?

3300 XL 8 mm Proximity Transducer System Datasheet documents the cable protection as Stainless-steel armored. Confirm the complete 330102-00-70-10-02-05 marking and the installed-system record before service.

Q5 What does the official record state for the overall case-length code of Bently Nevada 330102-00-70-10-02-05?

3300 XL 8 mm Proximity Transducer System Datasheet documents the overall case-length code as 7.0 in. Confirm the complete 330102-00-70-10-02-05 marking and the installed-system record before service.

Q7 Which exact connector and cable option distinguishes Bently Nevada 330102-00-70-10-02-05?

3300 XL 8 mm Proximity Transducer System Datasheet documents the connector and cable option as miniature ClickLoc coaxial connector with standard cable. Confirm the complete 330102-00-70-10-02-05 marking and the installed-system record before service.

Q2 What mounting thread is published for Bently Nevada 330102-00-70-10-02-05?

3300 XL 8 mm Proximity Transducer System Datasheet documents the mounting thread as 3/8-24 UNF. Confirm the complete 330102-00-70-10-02-05 marking and the installed-system record before service.

Q4 Which unthreaded length code must technicians retain for Bently Nevada 330102-00-70-10-02-05?

3300 XL 8 mm Proximity Transducer System Datasheet documents the unthreaded length code as 0.0 in. Confirm the complete 330102-00-70-10-02-05 marking and the installed-system record before service.

Q6 How should the total probe-lead length be verified on Bently Nevada 330102-00-70-10-02-05?

3300 XL 8 mm Proximity Transducer System Datasheet documents the total probe-lead length as 1.0 m. Confirm the complete 330102-00-70-10-02-05 marking and the installed-system record before service.

Q8 What agency-approval option is used when commissioning Bently Nevada 330102-00-70-10-02-05?

3300 XL 8 mm Proximity Transducer System Datasheet documents the agency-approval option as CSA, ATEX and IECEx. Confirm the complete 330102-00-70-10-02-05 marking and the installed-system record before service.

SOURCE 3300 XL 8 mm Proximity Transducer System Datasheet | 141194 Rev. AM

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