

INDUSTRIAL AUTOMATION PRODUCT

330101-00-60-90-01-05

3300 XL 8 mm 3/8-24 UNF proximity probe

Non-contact eddy-current displacement signal over a nine-metre 3300 XL probe cable

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	3300 XL 8 mm Proximity Transducer System
Part number	330101-00-60-90-01-05
Country	USA
HS code	8537101190

APTER POWER SALES TEAM

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2

Technical Specifications

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

PARAMETER	VALUE
Probe model	330101
Probe thread	3/8-24 UNF
Armor	No
Unthreaded length	0.0 in
Overall case length	6.0 in
Total probe length	9.0 m (29.5 ft)
Connector	Miniature coaxial ClickLoc with protector
Probe cable	Standard
Agency approval option	CSA, ATEX and IECEx
Probe DC resistance	9.87 +/-0.50 Ohm
Power without barriers	-17.5 to -26 V DC; 12 mA maximum

PARAMETER	VALUE
Power with barriers	-23 to -26 V DC
Supply sensitivity	<2 mV/V
Output resistance	50 Ohm
Field-wire conductor range	0.2 to 1.5 mm ² (16 to 24 AWG)
Maximum field-wire length	305 m (1000 ft)
Linear range	2.0 mm (80 mils)
Linear-range limits	0.25 to 2.30 mm (10 to 90 mils)
Recommended radial-vibration gap	-9 V DC; approximately 1.27 mm (50 mils)
Incremental scale factor	7.87 V/mm (200 mV/mil)
Frequency response	0 to 10 kHz; +0/-3 dB
Extension-cable capacitance	69.9 pF/m typical

VERIFIED PRODUCT RECORD

DATA GROUP	VERIFIED VALUE
Installed host / carrier	Nine-metre 3300 XL Proximito Sensor
Companion hardware	AISI 4140 target
Field connection	Probe mounting bracket
Primary system function	Uses a 6.0 in 3/8-24 UNF case
Controlled acceptance duty	Remote radial vibration point

3

System Role and Architecture

Non-contact eddy-current displacement signal over a nine-metre 3300 XL probe cable

FUNCTION 1

Uses a 6.0 in 3/8-24 UNF case

FUNCTION 2

Provides a long 9.0 m standard probe lead

FUNCTION 3

Protects the miniature ClickLoc connector

FUNCTION 4

Carries the documented multiple-approval suffix

Matched system components

- Nine-metre 3300 XL Proximitor Sensor
- AISI 4140 target
- Probe mounting bracket
- Compatible machinery monitor

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	Nine-metre 3300 XL Proximitor Sensor
Companion hardware	AISI 4140 target
Field connection	Probe mounting bracket
Primary system function	Uses a 6.0 in 3/8-24 UNF case
Controlled acceptance duty	Remote radial vibration point

4

Applications and Engineering Context

Remote radial vibration point

Uses a 6.0 in 3/8-24 UNF case

Long-route axial position loop

Provides a long 9.0 m standard probe lead

Shaft centerline measurement

Protects the miniature ClickLoc connector

Approved-area probe replacement

Carries the documented multiple-approval suffix

TECHNICAL NOTE

Confirm the nine-metre Proximitor Sensor configuration, 6.0 in case, connector protector and approval marking before installation and gap verification.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	330101-00-60-90-01-05 / 330101-00-60-90-01-05 recorded
Physical interface	Nine-metre 3300 XL Proximitor Sensor
Companion check	AISI 4140 target
Functional proof	Uses a 6.0 in 3/8-24 UNF case
Application test	Remote radial vibration point

5

Engineering Precautions

- 1 Verify the complete 330101-00-60-90-01-05 marking, 3/8-24 UNF unarmored construction and assigned measuring point before work.
- 2 Place the monitored machine and its protection channel in the approved maintenance state before disturbing the probe.
- 3 Protect the probe tip and 3/8-24 UNF unarmored interface from impact, burrs, contamination and unintended side-view metal.
- 4 Route and support the 9.0 m probe lead without sharp bends, crushing, tensile load or contact with hot and moving surfaces.
- 5 Keep every ClickLoc interface clean, dry and fully engaged; preserve connector-protector hardware where supplied.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
990-05-70-03-01	Related Bently Nevada product	View 990-05-70-03-01 page
330930-060-07-05	Related Bently Nevada product	View 330930-060-07-05 page
330908-00-60-10-01-00	Related Bently Nevada product	View 330908-00-60-10-01-00 page
330902-00-90-05-02-00	Related Bently Nevada product	View 330902-00-90-05-02-00 page
990-05-50-03-05	Related Bently Nevada product	View 990-05-50-03-05 page
21000-28-05-20-035-03-02	Related Bently Nevada product	View 21000-28-05-20-035-03-02 page
32000-28-05-00-070-03-02	Related Bently Nevada product	View 32000-28-05-00-070-03-02 page
31000-28-05-15-032-03-02	Related Bently Nevada product	View 31000-28-05-15-032-03-02 page

MANUFACTURER SOURCE RECORD

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet
141194 Rev. AM

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