

APTER POWER

COMPLETE PRODUCT INFORMATION

330104-11-25-10-02-00

3300 XL 8 mm M10 x 1 armored proximity probe

Non-contact eddy-current displacement signal for a 3300 XL 8 mm measurement chain

PRODUCT SNAPSHOT

BRAND

Bently Nevada

FAMILY

3300 XL 8 mm Proximity Transducer System

PART

330104-11-25-10-02-00

ORIGIN / HS

USA / 8537101190

APTER POWER SALES TEAM

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PRODUCT OVERVIEW

Non-contact eddy-current displacement signal for a 3300 XL 8 mm measurement chain

1

Uses an M10 x 1 armored metric probe body

2

Combines a 250 mm case with 110 mm unthreaded length

3

Provides a 1.0 m standard probe cable

4

Supports the documented 2 mm 3300 XL linear span

SYSTEM COMPONENTS

3300 XL 8 mm Proximitior Sensor

Compatible 3300 XL extension cable

AISI 4140 target surface

Bently Nevada monitor channel

TECHNICAL NOTE

Verify the 110 mm unthreaded length, 250 mm case and bracket clearance; match the one-metre lead to the complete 3300 XL system length.

TECHNICAL DATA

PARAMETER	VALUE
Probe model	330104
Probe thread	M10 x 1
Armor	Yes
Unthreaded length	110 mm
Overall case length	250 mm
Total probe length	1.0 m (3.3 ft)
Connector	Miniature coaxial ClickLoc
Probe cable	Standard
Agency approval option	Not required
Probe DC resistance	7.59 +/-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; +/-3 dB
Extension-cable capacitance	69.9 pF/m typical

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330130-060-01-05	Related Bently Nevada product	View 330130-060-01-05 page
330703-00-50-10-12-05	Related Bently Nevada product	View 330703-00-50-10-12-05 page
330101-00-39-15-11-00	Related Bently Nevada product	View 330101-00-39-15-11-00 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

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Long-case radial vibration

Uses an M10 x 1 armored metric probe body

Axial position monitoring

Combines a 250 mm case with 110 mm unthreaded length

Deep-bracket probe mounting

Provides a 1.0 m standard probe cable

Metric 8 mm loop renewal

Supports the documented 2 mm 3300 XL linear span

PRODUCT PRECAUTIONS

- 1 Verify the complete 330104-11-25-10-02-00 marking, M10 x 1 armored 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 M10 x 1 armored interface from impact, burrs, contamination and unintended side-view metal.
- 4 Route and support the 1.0 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.
- 6 Confirm the matched 3300 XL 8 mm Proximity Sensor, total system length and target material before setting the static gap.
- 7 Maintain the documented probe-tip separation where adjacent channels could create cross-talk.
- 8 Prove gap voltage, polarity, dynamic response and alarm action before returning the protection channel to service.

ENGINEER FAQ

Q1 Does 330104-11-25-10-02-00 match 3300 XL 8 mm Proximator Sensor in a Long-case radial vibration installation?

Verify the complete 330104-11-25-10-02-00 marking, the documented 3300 XL 8 mm Proximity Transducer System position and the installed 3300 XL 8 mm Proximator Sensor before fitting the assembly.

Q3 Which 3300 XL 8 mm Proximity Transducer System records should be captured before removing 330104-11-25-10-02-00?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 330104-11-25-10-02-00 before disconnection.

Q5 Which Compatible 3300 XL extension cable condition should be checked when 330104-11-25-10-02-00 reports an abnormal state?

Check the Compatible 3300 XL extension cable supply, seating and connection first, then compare channel diagnostics with the recorded 330104-11-25-10-02-00 baseline.

Q7 What maintenance evidence is required after 330104-11-25-10-02-00 is used for Deep-bracket probe mounting?

Retain the nameplate record, corrective action, final diagnostics and a controlled deep-bracket probe mounting functional-test result for 330104-11-25-10-02-00.

Q2 How should 330104-11-25-10-02-00 be wired when it must uses an m10 x 1 armored metric probe body?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 330104-11-25-10-02-00; then continuity-test the affected path.

Q4 What controlled test confirms that 330104-11-25-10-02-00 can combines a 250 mm case with 110 mm unthreaded length?

Apply the approved field or simulated stimulus, observe the 3300 XL 8 mm Proximity Transducer System indication and confirm the intended response without bypassing the normal interlocks.

Q6 Can 330104-11-25-10-02-00 be moved directly into Axial position monitoring without validating Bently Nevada monitor channel?

No. Confirm the Bently Nevada monitor channel, revision, connection scheme and 3300 XL 8 mm Proximity Transducer System configuration before transferring 330104-11-25-10-02-00 to that duty.

Q8 How should 330104-11-25-10-02-00 be returned to service in Metric 8 mm loop renewal?

Restore power under control, verify provides a 1.0 m standard probe cable, exercise the intended signal path and release 330104-11-25-10-02-00 only after the 3300 XL 8 mm Proximity Transducer System remains in its approved operating state.

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

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