

INDUSTRIAL AUTOMATION PRODUCT

330103-00-11-50-02-00

8 mm Probe

Bently Nevada 330103-00-11-50-02-00 is a 3300 XL 8 mm proximity probe with an M10 x 1 thread, 110 mm case and 5.0 m system length. It uses the miniature coaxial ClickLoc connector for the documented 3300 XL transducer chain.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
Complete model	330103-00-11-50-02-00
Product role	8 mm Probe
System family	3300 XL 8 mm Proximity Transducer System
Country of origin	USA

DOCUMENT SCOPE

Exact identity, manufacturer-supported technical data, installation checks, applications, precautions and controlled verification records.

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Technical Specifications

PARAMETER	VERIFIED VALUE
Complete model	330103-00-11-50-02-00
Probe family	330103 standard-mount probe without armor
Probe tip	8 mm
Mounting thread	M10 x 1
Unthreaded length option	00 = 0 mm
Overall case length	11 = 110 mm
Total system length	50 = 5.0 m
Connector option	02 = miniature coaxial ClickLoc, standard cable
Agency approval option	00 = no agency approval
Calibration target	AISI 4140 steel
Country of origin	USA

Model-Specific Engineering Note

ENGINEERING BOUNDARY

Match the probe, extension cable and 5 m 3300 XL Proximitor Sensor as one approved system. Confirm the AISI 4140 target, mounting geometry, total electrical length and connector condition before calibration or release.

Pre-Installation Checks

NO.	REQUIRED CHECK
1	Verify the complete 330103-00-11-50-02-00 marking.
2	Confirm the M10 x 1 mounting thread and 110 mm case length.
3	Use only the approved 5.0 m probe, extension and Proximitor combination.
4	Protect the 8 mm tip and ClickLoc connector from impact and contamination.
5	Check bracket rigidity, thread engagement and cable routing.

System Role and Architecture

Bently Nevada 330103-00-11-50-02-00 is a 3300 XL 8 mm proximity probe with an M10 x 1 thread, 110 mm case and 5.0 m system length. It uses the miniature coaxial ClickLoc connector for the documented 3300 XL transducer chain.

FUNCTION 1
8 mm proximity sensing tip

FUNCTION 2
M10 x 1 threaded mounting

FUNCTION 3
5.0 m matched system length

FUNCTION 4
Miniature coaxial ClickLoc connection

Common Applications

APPLICATION	ENGINEERING CONTEXT
Shaft radial vibration	Measures dynamic shaft-relative motion through the matched 3300 XL transducer chain.
Axial position	Measures static shaft position when installed with the approved target and geometry.
Keyphasor reference	Supports speed and phase-reference measurement in the documented machine arrangement.
Machinery protection	Provides the probe element for compatible Bently Nevada monitoring channels.

CONTROLLED ACCEPTANCE DUTY
Confirm identity, physical interface, companion hardware, configured values and functional response against the installed-system record before release.

Engineering Precautions

NO.	PRECAUTION
1	Verify the complete 330103-00-11-50-02-00 marking.
2	Confirm the M10 x 1 mounting thread and 110 mm case length.
3	Use only the approved 5.0 m probe, extension and Proximitor combination.
4	Protect the 8 mm tip and ClickLoc connector from impact and contamination.
5	Check bracket rigidity, thread engagement and cable routing.
6	Use the documented AISI 4140 target or approved target correction.
7	Set probe gap only with the current 3300 XL procedure.
8	Verify static gap and dynamic response before release.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is Bently Nevada 330103-00-11-50-02-00?	It is a standard-mount 3300 XL 8 mm proximity probe with the documented M10 x 1 thread and 5.0 m system length.
What does 330103 identify?	It identifies the M10 x 1 standard-mount probe style without armor.
What case length is specified?	Option 11 identifies a 110 mm overall case length.
What system length is specified?	Option 50 identifies a 5.0 m total system length.

Model-Specific FAQ - Part 2

QUESTION	ANSWER
Which connector is used?	Option 02 identifies the miniature coaxial ClickLoc connector with standard cable.
Does this model include agency approval?	Option 00 identifies no agency approval for this configured probe.
Which target material is used for standard calibration?	The 3300 XL 8 mm system is calibrated to AISI 4140 steel unless another approved target correction is used.
What confirms successful commissioning?	The mechanical installation is secure, the static gap is correct and the monitored dynamic response agrees with the approved baseline.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 03839202	View Bently Nevada 03839202
Bently Nevada 102044-00-18-10-02-00	View Bently Nevada 102044-00-18-10-02-00
Bently Nevada 102044-00-32-10-02	View Bently Nevada 102044-00-32-10-02
Bently Nevada 102045-040-00	View Bently Nevada 102045-040-00
Bently Nevada 102045-040-01-05	View Bently Nevada 102045-040-01-05
Bently Nevada 102244-22-50-01	View Bently Nevada 102244-22-50-01
Bently Nevada 106765-04	View Bently Nevada 106765-04
Bently Nevada 106765-30	View Bently Nevada 106765-30

MANUFACTURER SOURCE RECORD

3300 XL 8 mm Proximity Transducer System Datasheet
Baker Hughes / Bently Nevada publication 141194 Rev. AM

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