

330104-10-20-10-02-00

Armored 8 mm Probe

Bently Nevada 330104-10-20-10-02-00 is a 3300 XL 8 mm proximity probe with an M10 x 1 mounting thread, 200 mm overall case length and 1.0 m total system length. It is the armored 330104 configuration with a miniature coaxial ClickLoc connector.

BRAND	Bently Nevada	MODEL	330104-10-20-10-02-00
PRODUCT	Armored 8 mm Probe	FAMILY	Industrial automation
OFFICIAL SOURCE	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet	RECORD	Baker Hughes / Bently Nevada publication 141194 Rev. AM

DOCUMENT SCOPE

Official technical evidence, controlled engineering checks, model-specific FAQ and related product navigation.

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Product Overview and Applications

SYSTEM FUNCTION

Bently Nevada 330104-10-20-10-02-00 is a 3300 XL 8 mm proximity probe with an M10 x 1 mounting thread, 200 mm overall case length and 1.0 m total system length. It is the armored 330104 configuration with a miniature coaxial ClickLoc connector.

FUNCTION 1

M10 x 1 metric probe mounting

FUNCTION 2

200 mm overall case configuration

FUNCTION 3

1.0 m matched system length

FUNCTION 4

Miniature ClickLoc connection, armored

APPLICATION	ENGINEERING CONTEXT
Radial shaft vibration	Measures dynamic shaft-relative motion through the matched 3300 XL transducer chain.
Axial position	Measures static shaft position with the approved target, bracket and gap.
Keyphasor reference	Supports speed and phase-reference measurement in the documented arrangement.
Machinery protection	Provides non-contact probe input to a compatible Bently Nevada monitor channel.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Complete model	330104-10-20-10-02-00
Probe family	330104 metric standard-mount probe, armored
Probe tip	8 mm
Mounting thread	M10 x 1
Unthreaded length	100 mm
Overall case length	200 mm
Total system length	1.0 m
Connector option	Miniature coaxial ClickLoc, standard cable
Approval option	No agency approval
Calibration target	AISI 4140 steel
Matched-system linear range	2 mm (80 mils)
Matched-system scale factor	7.87 V/mm (200 mV/mil), nominal
Matched-system frequency response	0 to 10 kHz, +0/-3 dB, with approved field wiring
Standard probe operating and storage temperature	-52 to +177 deg C

Acceptance Path

1 IDENTITY

The complete 330104-10-20-10-02-00 marking and revision agree with the engineering record.

2 COMPATIBILITY

System position, companion hardware and interfaces match the manufacturer documentation.

3 CONFIGURATION

Saved values, channel mappings and protection limits are restored without unexplained change.

4 FUNCTIONAL PROOF

Diagnostics and the model-specific controlled test pass without unexplained fault.

Precautions and Model-Specific FAQ

NO.	PRECAUTION	QUESTION	ANSWER
1	Verify the complete 330104-10-20-10-02-00 marking before work.	What is Bently Nevada 330104-10-20-10-02-00?	It is a 330104 3300 XL 8 mm M10 x 1 proximity probe supplied armored.
2	Confirm the M10 x 1 thread and 200 mm case length.		
3	Preserve the 1.0 m total probe, extension-cable and Proximitor length.	What mechanical lengths are encoded in Bently Nevada 330104-10-20-10-02-00?	The ordering code specifies 100 mm unthreaded length and 200 mm overall case length.
4	Protect the 8 mm tip and ClickLoc connector from impact and contamination.	What total system length is required for Bently Nevada 330104-10-20-10-02-00?	Option 10 specifies a 1.0 m total transducer-system length.
5	Check bracket rigidity, thread engagement and cable routing.		
6	Use the documented AISI 4140 target or an approved target correction.	Which connector is used by Bently Nevada 330104-10-20-10-02-00?	Option 02 specifies the miniature coaxial ClickLoc connector with standard cable and no connector protector.
7	Set the static probe gap only with the current manufacturer procedure.		
8	Verify gap voltage, polarity and dynamic response before release.		

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 136703-01	View Bently Nevada 136703-01
Bently Nevada 136711-01	View Bently Nevada 136711-01
Bently Nevada 136711-02	View Bently Nevada 136711-02
Bently Nevada 138708-01	View Bently Nevada 138708-01
Bently Nevada 139554-01	View Bently Nevada 139554-01
Bently Nevada 140471-02	View Bently Nevada 140471-02

FAQ, Related Products and Sources

QUESTION	ANSWER
Which mounting thread is used by Bently Nevada 330104-10-20-10-02-00?	The 330104 metric probe uses an M10 x 1 thread.
Which approval option applies to Bently Nevada 330104-10-20-10-02-00?	The final suffix is 00; the supported interpretation is no agency approval.
Which matched-system performance applies to Bently Nevada 330104-10-20-10-02-00?	The official 3300 XL 8 mm system publishes a 2 mm linear range, 7.87 V/mm nominal scale factor and 0 to 10 kHz response when the complete matched system is used.
What confirms commissioning of Bently Nevada 330104-10-20-10-02-00?	The full ordering code, mounting, electrical length, target, static gap, polarity and dynamic channel response must all agree with the approved installation record.

MANUFACTURER SOURCE RECORDS

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

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 140482-01	View Bently Nevada 140482-01
Bently Nevada 143493-00-080-040-50-00	View Bently Nevada 143493-00-080-040-50-00
Bently Nevada 144181-51	View Bently Nevada 144181-51
Bently Nevada 144181-51-05	View Bently Nevada 144181-51-05
Bently Nevada 146054-034-20-02-05	View Bently Nevada 146054-034-20-02-05
Bently Nevada 146054-12-05-01-05	View Bently Nevada 146054-12-05-01-05
Bently Nevada 146054-32-05-01-05	View Bently Nevada 146054-32-05-01-05
Bently Nevada 146054-34-20-02-05	View Bently Nevada 146054-34-20-02-05

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