

INDUSTRIAL AUTOMATION PRODUCT

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.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
Complete model	330104-10-20-10-02-00
Product role	Armored 8 mm Probe
System family	Industrial automation
Source record	Baker Hughes / Bently Nevada publication 141194 Rev. AM

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

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330104-10-20-10-02-00

Technical Specifications

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

ENGINEERING BOUNDARY

Use 330104-10-20-10-02-00 only with the documented 3300 XL 8 mm probe, extension cable and Proximitor Sensor combination. Verify the 100 mm unthreaded section, 200 mm case, 1.0 m electrical chain, connector condition, target material and static gap before release.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 128275-01F-C2-A0130944-01	View Bently Nevada 128275-01F-C2-A0130944-01
Bently Nevada 128276-01E-C2-A0131151-01	View Bently Nevada 128276-01E-C2-A0131151-01
Bently Nevada 128718-01	View Bently Nevada 128718-01
Bently Nevada 129478-01	View Bently Nevada 129478-01

System Role and Common Applications

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.

ACCEPTANCE DUTY

Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

Engineering Precautions and FAQ

NO.	PRECAUTION
1	Verify the complete 330104-10-20-10-02-00 marking before work.
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.
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 an approved target correction.
7	Set the static probe gap only with the current manufacturer procedure.
8	Verify gap voltage, polarity and dynamic response before release.

QUESTION	ANSWER
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.
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.
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.
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.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 129525-0050-02	View Bently Nevada 129525-0050-02
Bently Nevada 130530-0050-02	View Bently Nevada 130530-0050-02
Bently Nevada 130539-14	View Bently Nevada 130539-14
Bently Nevada 130539-15	View Bently Nevada 130539-15
Bently Nevada 130539-17	View Bently Nevada 130539-17

FAQ, Related Products and Official 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.

MODEL	APTER POWER PAGE
Bently Nevada 130539-20	View Bently Nevada 130539-20
Bently Nevada 130539-30	View Bently Nevada 130539-30
Bently Nevada 130539-34	View Bently Nevada 130539-34
Bently Nevada 130539-35	View Bently Nevada 130539-35
Bently Nevada 130539-45	View Bently Nevada 130539-45
Bently Nevada 130539-50	View Bently Nevada 130539-50
Bently Nevada 130539-72	View Bently Nevada 130539-72
Bently Nevada 130539-99	View Bently Nevada 130539-99
Bently Nevada 130732-01	View Bently Nevada 130732-01

MANUFACTURER SOURCE RECORDS

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

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