Bently Nevada 330103-00-11-10-02-CN

Complete Product Information

Bently Nevada 330103-00-11-10-02-CN combines an M10 x 1 metric body, 110 mm case and 1.0 m unarmored standard lead with a CN approval suffix for a matched 3300 XL 8 mm channel.

01 Product identity and verified data

Complete model	330103-00-11-10-02-CN
Product type	3300 XL 8 mm proximity probe
Manufacturer	Bently Nevada
Technical source	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AL
Probe family	3300 XL 8 mm
Mounting thread	M10 x 1
Cable armor	No armor
Unthreaded length	0 mm
Overall case length	110 mm
Total probe length	1.0 m
Connector	Miniature ClickLoc, standard cable without protector
Approval selection	CN suffix retained; verify delivered approval marking

Engineering purpose

Bently Nevada 330103-00-11-10-02-CN combines an M10 x 1 metric body, 110 mm case and 1.0 m unarmored standard lead with a CN approval suffix for a matched 3300 XL 8 mm channel.

Selected order-code snapshot

Selected geometry	M10 x 1; 0 mm unthreaded reach; 110 mm overall case.
Lead construction	1.0 m lead with unarmored cable; Miniature ClickLoc, standard cable without protector.
Diagnostic reference	5.9 +/-0.5 ohm nominal probe resistance; CN suffix retained; verify delivered approval marking.

02 Technical capability and engineering overview

Nominal probe resistance	5.9 +/-0.5 ohm
Matched-system range	2.0 mm under stated reference conditions
Matched-system scale	7.87 V/mm (200 mV/mil)
Proximitor supply	-17.5 to -26 V DC; 12 mA maximum without barriers

Proximitor output resistance	50 ohm
Reference target	AISI 4140 steel
Measurement roles	Static position, dynamic vibration, phase reference and speed

Evidence boundary

Exact order fields and probe-level numeric values are from 141194 Rev. AL. Range, scale and frequency response remain properties of the complete matched 3300 XL 8 mm chain.

Engineering overview

The 110 mm case is the defining mechanical feature of 330103-00-11-10-02-CN. It provides substantially more reach than the 50 mm metric version, so bracket position, port depth and the locknut datum must be captured before removal.

Its 1.0 m unarmored standard lead ends in an unprotected miniature ClickLoc joint. The route therefore needs independent support and a clean, dry service envelope rather than relying on armor or a connector protector.

The CN suffix is an ordering and marking field, not proof of site suitability by itself. Acceptance compares the delivered label with the project record, then restores the established gap or bias and proves the complete monitor channel.

Application map

Deep metric bearing ports

Use where a documented M10 x 1 port requires the 110 mm case to reach the shaft target without changing the bracket datum.

Metric axial-position brackets

Retain the recorded locknut position and thrust-target travel because the long case fixes the sensing-face location.

CN-marked installed projects

Match the delivered CN approval marking to the installed project file before the channel is energized.

Unarmored service routes

Provide local mechanical protection and accessible ClickLoc service space for the 1.0 m lead.

03 System interpretation and selection boundaries

Product boundary	Apply the listed facts to 330103-00-11-10-02-CN and the documented 3300 XL 8 mm proximity transducer system context only.
Interface boundary	Connector, terminal, bus, cable and companion-device assignments must match the installed drawing.
Electrical boundary	Use exact-model values only; system-level ratings remain conditional on the complete installed configuration.
Configuration boundary	Switches, jumpers, addresses, firmware and project settings must be reconciled before energization.
Diagnostic boundary	Interpret indicators and fault states together with measured inputs, outputs and host-system status.
Acceptance rule	Use the approved system baseline and maintenance procedure for the final as-left decision.

Installed-system context

The offered part is the M10 x 1 unarmored 3300 XL 8 mm probe; the installed extension cable and Proximitor must preserve the approved chain length and monitor assignment.

04 Lifecycle, offered scope and related references

Lifecycle status

Order-code coverage	141194 Rev. AL defines the M10 x 1, 0 mm, 110 mm, 1.0 m, connector and approval fields used by 330103-00-11-10-02-CN.
Installed-base dependency	Continued use depends on retaining the selected case geometry, unarmored cable, companion extension cable and Proximitor total length.
Replacement boundary	A 100 mm or 120 mm case shifts the sensing face by 10 mm; the CN suffix and unprotected joint must also match the delivered unit.
Release evidence	Record the delivered marking, fit, connector condition, companion identities, restored gap or bias and controlled monitor response.

Available unit details

Offered configuration	M10 x 1 probe; 0 mm unthreaded reach; 110 mm case; 1.0 m lead; unarmored cable.
Selected termination	Miniature ClickLoc, standard cable without protector; CN suffix retained; verify delivered approval marking.
Included scope	One probe; extension cable, Proximitor Sensor, monitor and mounting hardware are separate unless itemized.

Source and applicability record

Verified source	Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AL
Applicability boundary	Exact order fields and probe-level numeric values are from 141194 Rev. AL. Range, scale and frequency response remain properties of the complete matched 3300 XL 8 mm chain.
Product family	3300 XL 8 mm proximity transducer system

Additional related product references

Related product	Bently Nevada 330930-040-03-00
Related product	Bently Nevada 84661-96
Related product	Bently Nevada 330102-00-28-10-02-05
Related product	Bently Nevada 330104-00-16-10-02-00

Product-specific purchasing decisions

How should the 110 mm body of 330103-00-11-10-02-CN be positioned in a reused metric bracket?	Transfer the measured locknut or bracket datum from the removed probe, then confirm the tip remains clear of the port bottom and target travel.

Engineering contact

Discuss the exact marking and installed application with Apter Power.
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