Bently Nevada 330101-00-20-10-12-05

Complete Product Information

Bently Nevada 330101-00-20-10-12-05 is a compact 3/8-24 probe with a 2.0 in case and 1.0 m unarmored FluidLoc lead for a matched 3300 XL 8 mm channel.

01 Product identity and verified data

Complete model	330101-00-20-10-12-05
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	3/8-24 UNF-2A
Cable armor	No armor
Unthreaded length	0.0 in
Overall case length	2.0 in
Total probe length	1.0 m
Connector	Miniature ClickLoc, FluidLoc cable without protector
Approval selection	Multiple approvals

Engineering purpose

Bently Nevada 330101-00-20-10-12-05 is a compact 3/8-24 probe with a 2.0 in case and 1.0 m unarmored FluidLoc lead for a matched 3300 XL 8 mm channel.

Selected order-code snapshot

Selected geometry	3/8-24 UNF-2A; 0.0 in unthreaded reach; 2.0 in overall case.
Lead construction	1.0 m lead with unarmored cable; Miniature ClickLoc, FluidLoc cable without protector.
Diagnostic reference	5.9 +/-0.5 ohm nominal probe resistance; Multiple approvals.

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 2.0 in body of 330101-00-20-10-12-05 suits compact inch-thread ports where the sensing face must be established from a short bracket or sleeve. The removal datum remains more important than the family name because adjacent 330101 case codes position the tip differently.

Option 12 selects an unarmored FluidLoc lead without a connector protector. Its liquid-resistant cable construction addresses the lead itself; it does not remove the need to keep the ClickLoc joint dry, supported and outside direct spray.

A clean isolated resistance check can help separate probe and cable faults, but acceptance belongs to the complete chain. Restore the recorded gap or bias, verify stable output after routing and compare the monitor with the machine baseline.

Application map

Compact inch-thread radial ports

Use where a 2.0 in 3/8-24 body reproduces the recorded shaft-target datum.

Fluid-exposed lead routes

Apply the FluidLoc lead where the approved installation needs liquid-resistant cable construction while keeping the joint protected.

Short bracket axial measurements

Preserve the thrust-target travel window and locknut position when using the compact body for position.

FluidLoc cable renewal

Match option 12 specifically; standard cable option 02 and protector option 11 change the delivered construction.

03 System interpretation and selection boundaries

Product boundary	Apply the listed facts to 330101-00-20-10-12-05 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 3/8-24 UNF-2A 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 3/8-24 UNF-2A, 0.0 in, 2.0 in, 1.0 m, connector and approval fields used by 330101-00-20-10-12-05.
Installed-base dependency	Continued use depends on retaining the selected case geometry, unarmored cable, companion extension cable and Proximitor total length.
Replacement boundary	Option 12 is FluidLoc without a connector protector; option 02 is standard cable, and option 11 adds a protector.
Release evidence	Record the delivered marking, fit, connector condition, companion identities, restored gap or bias and controlled monitor response.

Available unit details

Offered configuration	3/8-24 UNF-2A probe; 0.0 in unthreaded reach; 2.0 in case; 1.0 m lead; unarmored cable.
Selected termination	Miniature ClickLoc, FluidLoc cable without protector; Multiple approvals.
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 330980-70-CN
Related product	Bently Nevada 330930-040-03-00
Related product	Bently Nevada 84661-96
Related product	Bently Nevada 330102-00-28-10-02-05

Product-specific purchasing decisions

What installation benefit does the 2.0 in case provide for 330101-00-20-10-12-05?	It fits compact 3/8-24 brackets while preserving a short, documented sensing-face datum; the actual port depth and target travel still govern seating.

Engineering contact

Discuss the exact marking and installed application with Apter Power.
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