Bently Nevada 330707-00-25-10-12-00

Complete Product Information

Bently Nevada 330707-00-25-10-12-00 is a 5/8-18 UNF-2A unarmored 3300 XL 11 mm probe for long-range non-contact displacement and vibration measurement in a matched 11 mm chain.

01 Product identity and verified data

Complete model	330707-00-25-10-12-00
Product type	3300 XL 11 mm proximity probe
Manufacturer	Bently Nevada
Technical source	Bently Nevada 3300 XL 11 mm Proximity Transducer System Datasheet, 146256 Rev. T
Probe family	3300 XL 11 mm
Mounting thread	5/8-18 UNF-2A
Cable armor	No armor
Unthreaded length	0.0 in
Overall case length	2.5 in
Total probe length	1.0 m
Connector	Miniature coaxial ClickLoc, FluidLoc cable
Approval selection	No agency approval

Engineering purpose

Bently Nevada 330707-00-25-10-12-00 is a 5/8-18 UNF-2A unarmored 3300 XL 11 mm probe for long-range non-contact displacement and vibration measurement in a matched 11 mm chain.

Selected order-code snapshot

Selected mechanics	5/8-18 UNF-2A; 0.0 in unthreaded reach; 2.5 in case.
Lead interface	1.0 m; Miniature coaxial ClickLoc, FluidLoc cable.
Long-range role	4.0 mm matched-system range for displacement, vibration and phase-reference duties.

02 Technical capability and engineering overview

Nominal probe resistance	5.9 +/- 0.5 ohm
Matched-system linear range	4.0 mm (160 mil)
Matched-system scale factor	3.94 V/mm (100 mV/mil)

Recommended gap	2.5 mm (100 mil)
Matched-system frequency response	0 to 8 kHz, +0/-3 dB typical
Probe cable impedance	75 ohm triaxial
Reference target	AISI 4140 steel, 31 mm diameter or larger
Minimum bend radius	25.4 mm
Probe temperature	-52 to +177 deg C operating and storage

Evidence boundary

Order-code values apply to the selected part. Published system performance applies only to the complete matched chain under the stated reference conditions.

Engineering overview

The 5/8-18 UNF-2A body, 0.0 in unthreaded reach and 2.5 in case establish the sensing position for the 11 mm probe. Compare port depth, thread engagement and expected target travel before removal.

The 1.0 m lead terminates in miniature coaxial clickloc, fluidloc cable. Preserve the 5 m or 9 m electrical-chain selection, keep the gold-plated ClickLoc interface clean and dry, and support the lead independently.

The 4.0 mm range and 3.94 V/mm scale factor belong to a complete probe, extension cable and Proximitor system on the reference target. Acceptance restores the documented 2.5 mm gap or bias and proves the monitor response.

Application map

Radial shaft vibration

Use the complete matched transducer chain at a documented bearing location to observe shaft motion relative to the probe mounting.

Axial position

Aim the probe at an approved conductive thrust target and keep the expected travel inside the characterized linear region.

Phase reference

Use only where the installed target feature and monitoring channel are approved for once-per-turn phase reference.

Installed-channel maintenance

Preserve the recorded probe, extension cable, Proximitor, target material, mounting geometry and monitor assignment.

03 System interpretation and selection boundaries

Product boundary	Apply the listed facts to 330707-00-25-10-12-00 and the documented 3300 XL 11 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 item is a 5/8-18 UNF-2A unarmored 3300 XL 11 mm probe; extension cable, Proximitor, target geometry and monitor assignment govern application.

04 Lifecycle, offered scope and related references

Lifecycle status

Exact-model status	A separate manufacturing or support phase is not assigned to the complete 330707-00-25-10-12-00 order identity.
Installed-family context	Service planning must preserve the documented 3300 XL 11 mm proximity transducer system relationship for this installed channel.
Replacement boundary	Confirm the complete marking and every installed companion component before approving a replacement.
Supply boundary	Apter Power availability is confirmed independently from the manufacturer lifecycle phase.

Available unit details

Offered reference	Bently Nevada 330707-00-25-10-12-00, 5/8-18 UNF-2A unarmored 3300 XL 11 mm probe.
Identity check	Confirm 0.0 in unthreaded reach, 2.5 in case, 1.0 m lead and the complete delivered suffix.
Included items	Probe only; 11 mm extension cable, Proximitor, monitor and mounting hardware are separate unless itemized.

Source and applicability record

Verified source	Bently Nevada 3300 XL 11 mm Proximity Transducer System Datasheet, 146256 Rev. T
Applicability boundary	Order-code values apply to the selected part. Published system performance applies only to the complete matched chain under the stated reference conditions.
Product family	3300 XL 11 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

Engineering contact

Discuss the exact marking and installed application with Apter Power.
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