

330701-00-10-10-02-00

3300 XL 11 mm 1/2-20 Unarmored Proximity Probe

Product identification

Bently Nevada 330701-00-10-10-02-00 is a stocked 1/2-20 unarmored 3300 XL 11 mm probe with a 1.0-inch case, 1.0 m standard cable and no approval option.

Parameter	Verified value
Manufacturer	Bently Nevada
Model	330701-00-10-10-02-00
Product Family	3300 XL 11 mm Proximity Transducer System
Product Type	Proximity Probe

Technical specifications

Parameter	Verified value
Thread	1/2-20 UNF
Armor	Without armor
Unthreaded length	0.0 in
Overall case length	1.0 in
Total probe length	1.0 m (3.3 ft)
Connector and cable	02 = ClickLoc connector, standard cable
Connector protector	Not included by option 02
Agency approval	00 = Not required
Stocked configuration	Listed by Baker Hughes as a commonly stocked probe
System linear range	4.0 mm (160 mils)
Nominal scale factor	2.0 V/mm (50 mV/mil)
Measurement frequency range	0 to 8 kHz
Reference target	AISI 4140 steel, 31 mm minimum diameter
System power	-17.5 to -26 VDC without barriers; 12 mA maximum
Output resistance	50 ohms
Extension-cable capacitance	69.9 pF/m typical
Maximum field-wire length	305 m (1000 ft)
Probe-to-cable pull strength	330 N (75 lb)
Connector family	Gold-plated brass ClickLoc
Standard calibration	AISI 4140 steel
Recommended field wiring	Three-conductor shielded triad

Product overview

330701-00-10-10-02-00 is a compact 1/2-20 UNF probe in the Bently Nevada 3300 XL 11 mm transducer system. The configuration has no unthreaded tip section and uses a one-inch overall case for short mounting depths.

A one-metre unarmored standard lead terminates in the miniature coaxial ClickLoc connector. The ordering table lists this exact configuration among the commonly stocked 11 mm probes and assigns no agency approval option.

The probe supports non-contact position, vibration and phase-reference measurements when combined with the matching sensor and extension arrangement. Mechanical fit, target material and complete electrical length must be maintained during replacement.

Applications

- Fits shallow 1/2-20 probe ports where the one-inch case provides the required reach.
- Acquires non-contact displacement for shaft position and vibration monitoring.
- Generates timing-reference information from an appropriate rotating target.

Integration

- Use only matching 3300 XL 11 mm extension-cable and Proximity Sensor components.
- The one-metre probe may connect directly or through the extension required by the selected system length.
- Configure the connected monitor for the 3300 XL 11 mm transducer type and scale factor.

Efficiency

- The commonly stocked ordering code can simplify exact replacement planning for the standard configuration.
- The short one-inch case minimizes unused insertion length in compact bearing housings.
- ClickLoc engagement provides a repeatable coaxial connection without threaded coupling hardware.

Temperature & Humidity

- The applicable probe temperature limit depends on the selected cable and the 11 mm datasheet conditions.
- Protected connectors support 100% condensing humidity while the assembly remains non-submersible.
- Keep the junction sealed because option 02 does not include a connector protector.

High-risk technical note

330701-00-10-10-02-00 has an unarmored lead and no connector protector; secure and seal the cable junction before returning the machine to service.

Request a quotation
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Exact model
330701-00-10-10-02-00
3300 XL 11 mm Proximity Transducer
System



Manufacturer source

<https://dam.bakerhughes.com/m/27a2d91f28aadd41/original/3300-XL-11mm-Proximity-Transducer-System-Datasheet-146256-pdf.pdf>
Source technical meaning is unchanged. This web edition is organized for exact-model identification and quotation support.