

330710-004-054-50-02-05

3300 XL 11 mm M16x1.5 Armored Proximity Probe

Product identification

Bently Nevada 330710-004-054-50-02-05 is an M16x1.5 armored 3300 XL 11 mm probe with 4 mm unthreaded length, 54 mm case, 5.0 m standard cable and multiple approvals.

Parameter	Verified value
Manufacturer	Bently Nevada
Model	330710-004-054-50-02-05
Product Family	3300 XL 11 mm Proximity Transducer System
Product Type	Proximity Probe

Technical specifications

Parameter	Verified value
Thread	M16 x 1.5
Armor	With armor
Unthreaded length	4 mm
Overall case length	54 mm
Total probe length	5.0 m (16.4 ft)
Connector and cable	02 = ClickLoc connector, standard cable
Connector protector	Not included by option 02
Agency approval	05 = Multiple approvals
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

330710-004-054-50-02-05 is the armored M16x1.5 metric probe configuration in the Bently Nevada 3300 XL 11 mm family. Its 4 mm unthreaded length and 54 mm overall case define the mechanical reach at the mounting port.

The probe includes a five-metre standard cable and miniature coaxial ClickLoc connector without the optional connector protector. Its larger 11 mm transducer geometry supports a four-millimetre system range for position, vibration and phase-reference measurements.

This ordering identity suits metric probe ports where armor is required along the installed lead. Commissioning depends on the matching five-metre Proximitor Sensor, correct AISI 4140 target setup and confirmed hazardous-area marking.

Applications

- Measures shaft radial vibration where a four-millimetre linear range is needed.
- Tracks axial position in machinery fitted with an M16x1.5 probe port.
- Provides a Keyphasor phase-reference signal when installed against an appropriate timing target.

Configuration

- The 004 field selects 4 mm unthreaded length and the 054 field selects a 54 mm overall case.
- The 50 code selects a five-metre probe cable intended for the five-metre sensor configuration.
- The 02 connector option supplies standard cable without the connector protector.

Protection

- Armor protects the lead from routine mechanical contact but does not replace proper strain relief.
- Install an approved connector protector when the ClickLoc junction will be exposed to humidity or liquids.
- Safety-wire the locknut where required by the machine installation procedure.

Certifications

- The final 05 code selects the multiple-approval ordering option.
- Only certification markings present on the supplied probe and system components apply to the installation.
- Hazardous-area wiring must follow the applicable Bently Nevada installation drawing and site control document.

High-risk technical note

330710-004-054-50-02-05 uses connector option 02 without a protector; add approved junction protection where oil or condensation can reach the ClickLoc connection.

Request a quotation
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Exact model
330710-004-054-50-02-05
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.