

330704-000-078-10-01-05

3300 XL 11 mm M14 x 1.5 Armored Proximity Probe

Bently Nevada 330704-000-078-10-01-05 is a 3300 XL 11 mm armored metric proximity probe for non-contacting vibration and displacement measurement.

BRAND	Bently Nevada	FAMILY	3300 XL 11 mm
PART	330704-000-078-10-01-05	ROLE	Armored eddy-current proximity probe

MANUFACTURER SOURCE RECORD

3300 XL 11 mm Proximity Transducer System Datasheet, 146256 Rev. T

APTER POWER SALES TEAM

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Product configuration

ORDER POSITION	VALUE	FUNCTION
Base	330704	M14 x 1.5 probe with armor
AAA	000	0 mm unthreaded length
BBB	078	78 mm overall case length
CC	10	1.0 m total length
DD	01	ClickLoc connector protector; standard cable
EE	05	Multiple approvals

System role

The probe forms the sensing element of a matched 3300 XL 11 mm proximity transducer system with the documented extension cable and Proximitor Sensor.

Measurement context

The system supports non-contacting radial vibration, axial position and other displacement measurements where target material, geometry and mounting satisfy the official data.

Electrical and performance data

PARAMETER	DOCUMENTED VALUE
Output scale factor	3.94 V/mm (100 mV/mil)
Linear range	4.0 mm (160 mils)
Recommended gap	2.0 mm (80 mils)
Frequency response	0 to 8 kHz, +0/-3 dB typical
Power without barriers	-17.5 Vdc to -26 Vdc, 12 mA maximum
Power with barriers	-23 Vdc to -26 Vdc
Output resistance	50 ohm
Field cable	Shielded triad, up to 305 m

Reference conditions

Evaluate system accuracy with the documented matched components, target material, gap, load, supply and ambient conditions stated in publication 146256 Rev. T.

Installation and operating controls

CONTROL	PRACTICAL CHECK
Article identity	Retain all suffixes in procurement and service records.
Mounting	Verify M14 x 1.5 thread depth and probe clearance.
Cable route	Protect the armor and maintain the documented bend radius.
Connector	Seat the ClickLoc connector and fit the protector.
System length	Pair the 1.0 m probe with the documented extension cable and Proximitor Sensor.
Gap	Establish nominal 2.0 mm against the approved target.
Commissioning	Confirm output direction, scale, monitor indication and diagnostics.

Important Notice

Confirm the physical nameplate, installed host, extension cable, Proximitor Sensor, mounting, target geometry, wiring, grounding, approval drawing and commissioning record before replacement.

Related 3300 System product pages

The links below are verified Apter Power navigation aids and are separate from the manufacturer evidence record.

RECOMMENDED PRODUCT	ACTION
Bently Nevada 330180-X1-05 MOD:145655-09	View Bently Nevada 330180-X1-05 MOD:145655-09 page
Bently Nevada 330180-X1-05 MOD:145004-81	View Bently Nevada 330180-X1-05 MOD:145004-81 page
Bently Nevada 330180-X1-05 MOD:145004-66	View Bently Nevada 330180-X1-05 MOD:145004-66 page
Bently Nevada 330180-X1-05 MOD:143416-42	View Bently Nevada 330180-X1-05 MOD:143416-42 page
Bently Nevada 330180-X1-05 MDO:143416-99	View Bently Nevada 330180-X1-05 MDO:143416-99 page
Bently Nevada 330130-040-03-00 STG-VY-1001-12	View Bently Nevada 330130-040-03-00 STG-VY-1001-12 page
Bently Nevada 330105-XX-XX-10-02-05 MOD:157310-09	View Bently Nevada 330105-XX-XX-10-02-05 MOD:157310-09 page
Bently Nevada 330101-20-36-10-02-00	View Bently Nevada 330101-20-36-10-02-00 page

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