

APTER POWER | BENTLY NEVADA

330102-16-40-50-01-05

3300 XL 8 mm 3/8-24 UNF Armored Proximity Probe

Bently Nevada 330102-16-40-50-01-05 is a 3/8-24 UNF armored probe configuration for the 3300 XL 8 mm proximity transducer system.

DOCUMENT PURPOSE

Installation And Commissioning Workbook prepared from Baker Hughes, 3300 XL 8 mm Proximity Transducer System Datasheet, publication 141194 Rev. AM.

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1 | Exact ordering identity

Preserve the complete ordering code. Each suffix defines a controlled mechanical, cable, connector or approval option.

POSITION	VALUE	DOCUMENTED MEANING
Base	330102	3/8-24 UNF probe with armor
AA	16	1.6 in unthreaded length
BB	40	4.0 in overall case length
CC	50	5.0 m total length
DD	01	ClickLoc connector with protector; standard cable
EE	05	CSA, ATEX and IECEx approvals

System pairing

Use only with the matching extension cable, Proximity Sensor and monitor configuration identified in the official system documentation.

2 | Electrical and performance data

PARAMETER	DOCUMENTED VALUE
Incremental scale factor	7.87 V/mm (200 mV/mil)
Linear range	2.0 mm (80 mils)
Recommended radial gap	1.27 mm (50 mils)
Frequency response	0 to 10 kHz, +0/-3 dB
Power without barriers	-17.5 Vdc to -26 Vdc, 12 mA maximum
Field wiring	Three-conductor shielded triad; up to 305 m

Commissioning boundary
Verify power, polarity, static gap, smooth output response, monitor scaling and final diagnostics under controlled machinery conditions.

3 | Installation and acceptance

CONTROL	ACCEPTANCE CHECK
Identity	Complete model and suffix string recorded.
Mechanical	Thread, mounting depth and probe clearance verified.
Cable	Cable route, bend radius and connector condition acceptable.
System	Extension cable and Proximitar Sensor match the configured system length.
Electrical	Supply and field wiring comply with the documented limits.
Functional	Gap, scale, direction, monitor response and diagnostics recorded.

Important Notice

Confirm the physical nameplate, installed host, matched transducer components, target geometry, wiring, grounding, applicable approval drawing and commissioning record before replacement.

4 | Related product navigation

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

RELATED PRODUCT	LINK
Bently Nevada 330903-00-07-10-01-CN	View Bently Nevada 330903-00-07-10-01-CN page
Bently Nevada 330903-00-07-10-01-00	View Bently Nevada 330903-00-07-10-01-00 page
Bently Nevada 330162-03-45-45-45-05-05-94-01-02	View Bently Nevada 330162-03-45-45-45-05-05-94-01-02 page
Bently Nevada 330101-00-60-90-01-05	View Bently Nevada 330101-00-60-90-01-05 page
Bently Nevada 330104-11-25-10-02-00	View Bently Nevada 330104-11-25-10-02-00 page
Bently Nevada 330102-04-25-10-02-00	View Bently Nevada 330102-04-25-10-02-00 page
Bently Nevada 330910-00-07-05-02-CN	View Bently Nevada 330910-00-07-05-02-CN page
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MANUFACTURER SOURCE RECORD

Baker Hughes, 3300 XL 8 mm Proximity Transducer System Datasheet, publication 141194 Rev. AM

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