

APTER POWER ORDERING & INSTALLATION QUICK GUIDE

330103-00-13-05-02-05

3300 XL 8 mm M10 x 1 Proximity Probe

A product-specific ordering-code and installation quick guide prepared by Apter Power from Bently Nevada 3300 XL 8 mm datasheet 141194 Rev. AM.

1. Decode the Complete Model

Code	Confirmed definition for this unit
330103	Metric M10 x 1 probe without armor
00	0 mm unthreaded length
13	130 mm overall case length
05	0.5 m (1.6 ft) total probe length
02	ClickLoc connector; standard cable; no protector
05	CSA, ATEX, and IECEx approvals option

2. Match the Electrical Length

0.5 m

+

4.5 m

=

5.0 m

PROBE

EXTENSION CABLE

MATCHED SYSTEM

Electrical length is part of the calibrated transducer system.

APTER POWER SALES TEAM

ORDERING & INSTALLATION SUPPORT

Match the Code. Respect the Limits. Install with Confidence.

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SCAN FOR TECHNICAL INQUIRY

3. Installation Checkpoints

- Confirm the physical nameplate reads 330103-00-13-05-02-05 exactly.
- Use a compatible 4.5 m 330130 extension cable and a 5.0 m 3300 XL Proximity Sensor.
- Maintain the published 25.4 mm (1.0 in) minimum cable bend radius.
- Protect the unarmored lead from abrasion, crushing, sharp edges, and hot surfaces.
- Verify M10 x 1 thread engagement, 130 mm case clearance, target geometry, and probe spacing against the machine drawing.
- Set the final gap using the complete matched system and the intended target material.
- Confirm the supplied 05 approval marking, current certificates, barriers, and applicable safe-use drawing before hazardous-area installation.

4. Commissioning Snapshot

Check	Manufacturer reference / action
System linear range	2.0 mm (80 mil) under published conditions
Nominal scale factor	7.87 V/mm (200 mV/mil), subject to system-length tolerance
Recommended radial gap	Approximately 1.27 mm (50 mil), -9 Vdc
Frequency response	0 to 10 kHz, +0/-3 dB
Target reference	AISI 4140 steel reference; verify other materials
As-left record	Record model, serials, gap voltage, wiring, channel, and test result

5. Source and Use Notice

Technical source

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet 141194 Rev. AM

Use notice

This is an original Apter Power quick guide. It is not a Bently Nevada publication and does not replace the current manufacturer datasheet, nameplate, certification, installation drawing, or machine-specific engineering record.

Product page

<https://www.apterpower.com/Bently-Nevada/330103-00-13-05-02-05>

ASK FOR QUOTE

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