

330104-00-08-05-02-05

Proximity Probe

It is a armored M10 x 1 3300 XL 8 mm probe with a 80 mm case and 0.5 m integral lead.

Manufacturer	Bently Nevada
Product family	3300 XL 8 mm proximity transducer system
Complete model	330104-00-08-05-02-05
Source record	141194 Rev. AN

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 3500-05-01-01-01-00-01	OPEN
02	Bently Nevada 330180-X1-00 MOD:145004-09	OPEN
03	Bently Nevada 330901-00-90-10-02-05-953416	OPEN
04	Bently Nevada 330330-080-01-00	OPEN
05	Bently Nevada 330330-070-00-00	OPEN
06	Bently Nevada 330854-080-05	OPEN

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Exact-model technical record

Complete model	330104-00-08-05-02-05	Probe lead length	0.5 m
Manufacturer	Bently Nevada	Connector and cable option	ClickLoc standard cable
Product family	3300 XL 8 mm proximity transducer system	Approval option	Multiple approvals
Probe part family	330104	System linear range	2.0 mm (80 mils)
Mounting thread	M10 x 1	Scale factor	7.87 V/mm (200 mV/mil)
Cable armor	Armored	Frequency response	0 to 10 kHz
Unthreaded length	0 mm	Nominal gap	1.27 mm (50 mils)
Overall case length	80 mm		

OFFICIAL SOURCE COVERAGE

Source 1	3300 XL 8 mm Proximity Transducer System Datasheet — Ordering Information, 141194 Rev. AN
Source 2	3300 XL 8 mm Proximity Transducer System Datasheet — Specifications, 141194 Rev. AN
Source 3	3300 XL 8 mm Proximity Transducer System Datasheet — Description and ordering notes, 141194 Rev. AN

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System role and applications

Radial shaft vibration

Measures non-contacting shaft vibration in a matched 8 mm system.

Axial position

Tracks shaft position where the engineered target and mounting geometry support the measurement.

Phase reference

Supports phase-reference service when the monitor project assigns this probe accordingly.

Exact probe replacement

Preserves the published thread, case, lead and connector identity during maintenance.

ENGINEERING BOUNDARY

Verify 330104-00-08-05-02-05, the installed extension cable and Proximity Sensor, target material, system length and gap before replacement.

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01	Bently Nevada 3500-05-01-01-01-00-01	OPEN
02	Bently Nevada 330180-X1-00 MOD:145004-09	OPEN
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Model-specific engineering questions

Q1. Why does Bently Nevada 330104-00-08-05-02-05 require an M10 x 1 mounting position?

The 330104 probe construction uses an M10 x 1 thread, so the bracket or machine tapping must preserve that interface without adapters that alter probe position.

Q2. Which mechanical lengths must match when replacing Bently Nevada 330104-00-08-05-02-05?

Match the 0 mm unthreaded section and 80 mm overall case; either value changes the installed tip location and available adjustment.

Q3. How should the armored lead on Bently Nevada 330104-00-08-05-02-05 be routed?

Route the 0.5 m integral lead without twisting the armor, protect its bend radius, and keep the ClickLoc connection clean and strain-free.

Q4. What does the final 05 option change for Bently Nevada 330104-00-08-05-02-05?

Option 05 carries the multiple-approval identity. The replacement must agree with the certification record for the installed location.

SOURCE IDENTIFIER

141194 Rev. AN

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Acceptance reference and related products

Q5. What travel should be checked for the matched 330104-00-08-05-02-05 system?

A correctly matched 3300 XL 8 mm chain provides a 2.0 mm (80 mil) linear range; check the full intended travel without driving the probe outside that range.

Q6. Which sensitivity belongs in the monitor channel for Bently Nevada 330104-00-08-05-02-05?

Configure and verify 7.87 V/mm (200 mV/mil) for the matched probe, extension cable, and Proximitor Sensor.

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 330330-070-00-00	OPEN
02	Bently Nevada 330854-080-05	OPEN
03	Bently Nevada 330851-02-000-080-10-00-00	OPEN
04	Bently Nevada 330851-01-000-020-10-00-00	OPEN
05	Bently Nevada 330850-91-05	OPEN
06	Bently Nevada 330876-01-50-01-05	OPEN
07	Bently Nevada 330876-03-10-00-00	OPEN
08	Bently Nevada 32000-28-05-15-080-03-02	OPEN
09	Bently Nevada 32000-28-05-08-080-03-02	OPEN
10	Bently Nevada 31000-16-10-00-050-03-02	OPEN
11	Bently Nevada 21000-34-10-20-062-04-02	OPEN
12	Bently Nevada 21000-34-10-20-058-04-02	OPEN

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