

BENTLY NEVADA

330103-00-07-10-01-05

Technical Reference

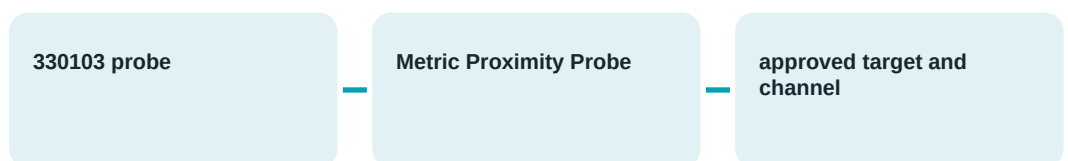
Bently Nevada 330103-00-07-10-01-05 is an unarmored M10 x 1 probe with 70 mm case, 1.0 m lead and miniature ClickLoc connector.

FAMILY 3300 XL 8 mm Proximity Transducer System

DOCUMENT Technical Reference

SOURCE 141194 Rev. AN

SYSTEM FLOW



SELECTED RELATED PRODUCTS

01	Bently Nevada 86691-01780-130...	OPEN	02	Bently Nevada 330880-28-15-04...	OPEN
03	Bently Nevada 330103-02-08-50...	OPEN	04	Bently Nevada 330102-00-31-05...	OPEN
05	Bently Nevada 330104-00-15-50...	OPEN	06	Bently Nevada 330172-08-12-50...	OPEN

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330103-00-07-10-01-05

Technical Reference

Exact-model identity and parameters

Complete model	330103-00-07-10-01-05	Overall case length	70 mm
Manufacturer	Bently Nevada	Total lead length	1.0 m
Product family	3300 XL 8 mm Proximity Transducer System	Connector option	Miniature coaxial ClickLoc with protector
Ordering identity	330103-00-07-10-01-05	Cable option	Standard cable
Probe family	330103 metric 3300 XL 8 mm	Approval option	05, CSA / ATEX / IECEx
Mounting thread	M10 x 1	System linear range	2.0 mm (80 mils)
Cable armor	Without armor	Scale factor	7.87 V/mm (200 mV/mil)
Unthreaded length	0 mm	Frequency response	0 to 10 kHz

EVIDENCE BOUNDARY

Replace 330103-00-07-10-01-05 only with the same coded geometry, lead, connector and approval option, then verify the matched extension cable and Proximitor Sensor.

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Technical Reference

System role and engineering applications

ROLE 1

Uses an M10 x 1 metric mounting thread

ROLE 2

Provides the coded 70 mm overall case

ROLE 3

Includes a 1.0 m standard probe lead

ROLE 4

Uses a miniature coaxial ClickLoc connector with protector

SIGNAL / SERVICE PATH



Radial shaft vibration

Measures non-contacting shaft motion in a matched 3300 XL 8 mm chain.

Axial position

Supports thrust or position measurement with the documented mounting and target.

Phase reference

Can serve an engineered phase-reference arrangement when the channel design supports it.

Exact probe renewal

Preserves thread, case, lead, connector and approval codes during replacement.

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Technical Reference

Field-work sequence and acceptance controls

01 Confirm the complete 330103-00-07-10-01-05 marking before work Confirm the complete 330103-00-07-10-01-05 marking before work.	02 Place the machine and monitoring channel in maintenance state Place the machine and monitoring channel in maintenance state.
03 Isolate the monitoring circuit before disconnecting the probe lead Isolate the monitoring circuit before disconnecting the probe lead.	04 Record probe, extension-cable and Proximator Sensor pairing Record probe, extension-cable and Proximator Sensor pairing.
05 Protect the miniature ClickLoc connector and exposed coaxial surfaces Protect the miniature ClickLoc connector and exposed coaxial surfaces.	06 Preserve the M10 x 1 mounting and coded 70 mm case position Preserve the M10 x 1 mounting and coded 70 mm case position.
07 Set the mechanical gap and review dc gap voltage before enabling alarms Set the mechanical gap and review dc gap voltage before enabling alarms.	08 Complete a controlled response test and retain the acceptance result Complete a controlled response test and retain the acceptance result.

RELATED SERVICE REFERENCES

01 Bently Nevada 330174-00-08-50-02-05 OPEN	02 Bently Nevada 330232-01-10-12-00 OPEN
03 Bently Nevada 148722-01 OPEN	

ACCEPTANCE RECORD

Retain the final 330103-00-07-10-01-05 identity, connection, configuration, diagnostic and controlled-response result.

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Technical Reference

Model-specific questions and decisions

1 Which probe family identifies Bently Nevada 330103-00-07-10-01-05?

It is the metric 330103 version of the 3300 XL 8 mm probe.

2 What mounting thread is used by Bently Nevada 330103-00-07-10-01-05?

The coded probe uses an M10 x 1 thread.

3 How is Bently Nevada 330103-00-07-10-01-05 armored?

It is supplied without cable armor.

4 What case geometry belongs to Bently Nevada 330103-00-07-10-01-05?

The codes specify 0 mm unthreaded length and a 70 mm overall case.

5 What lead is supplied on Bently Nevada 330103-00-07-10-01-05?

The probe has a 1.0 m standard lead.

6 Which connector comes with Bently Nevada 330103-00-07-10-01-05?

It uses a miniature coaxial ClickLoc connector with a connector protector.

7 Which approvals are selected for Bently Nevada 330103-00-07-10-01-05?

The -05 code selects CSA, ATEX and IECEx approvals.

8 What must be matched after installing Bently Nevada 330103-00-07-10-01-05?

Confirm the extension cable, Proximity Sensor, target material, system length and final probe gap.

RELATED MODEL REFERENCES

01	Bently Nevada 330851-01-00-20-10-00-00	OPEN	02	Bently Nevada 84510-50	OPEN
03	Bently Nevada 330851-02-010-140-10-00-05	OPEN			

SOURCE IDENTIFIER

Baker Hughes 3300 XL 8 mm Proximity Transducer System Datasheet | 141194 Rev. AN

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Technical Reference

Related products and document navigation

These links are navigation aids to other Apter Power product pages. They are not technical evidence for this product.

01	Bently Nevada 330195-02-12-50-05	OPEN	02	Bently Nevada 26530-12-10-03-018-085-24-03-00	OPEN
03	Bently Nevada 135613-01-01	OPEN	04	Bently Nevada 125065-12	OPEN
05	Bently Nevada 330101-00-08-10-01-00	OPEN	06	Bently Nevada 330101-00-13-30-02-05	OPEN
07	Bently Nevada 330104-04-10-50-02-05	OPEN	08	Bently Nevada 330101-51-82-10-01-05	OPEN
09	Bently Nevada 330101-35-62-10-01-05	OPEN	10	Bently Nevada 330102-00-83-50-02-05	OPEN
11	Bently Nevada 330104-00-09-50-02-00	OPEN	12	Bently Nevada 330104-00-09-90-02-00	OPEN

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