

BENTLY NEVADA

330195-02-12-05-00

Installation & Commissioning Guide

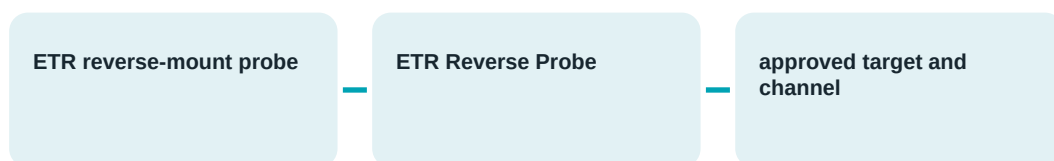
Bently Nevada 330195-02-12-05-00 is a reverse-mount 3/8-24 UNF ETR probe with a 0.5 m lead and no approval option.

FAMILY 3300 XL 8 mm Extended Temperature Range system

DOCUMENT Installation & Commissioning Guide

SOURCE 141194 Rev. AN

SYSTEM FLOW



SELECTED RELATED PRODUCTS

01	Bently Nevada 330801-28-00-05...	OPEN	02	Bently Nevada 330801-28-00-11...	OPEN
03	Bently Nevada 330908-00-15-10...	OPEN	04	Bently Nevada 31000-28-05-40-0...	OPEN
05	Bently Nevada 43501-01-04-01	OPEN	06	Bently Nevada 330190-XXX-00-0...	OPEN

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Exact-model identity and parameters

Complete model	330195-02-12-05-00	Approval option	00, no approvals
Manufacturer	Bently Nevada	Probe temperature limit	Up to 218 deg C
Product family	3300 XL 8 mm Extended Temperature Range	ETR cable temperature limit	Up to 260 deg C
Ordering identity	330195-02-12-05-00	Cable construction	75 ohm PFA insulated
Probe family	3300 XL 8 mm ETR reverse mount	Recommended installation torque	7.5 N m
Thread	3/8-24 UNF	System linear range	2.0 mm (80 mils)
Geometry code	02-12	Scale factor	7.87 V/mm (200 mV/mil)
Total lead length	0.5 m	Frequency response	0 to 10 kHz

EVIDENCE BOUNDARY

Keep 330195-02-12-05-00 with the documented ETR cable and compatible Proximity Sensor; the -00 option does not add an agency approval.

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System role and engineering applications

ROLE 1

Uses the ETR reverse-mount probe construction

ROLE 2

Provides a 0.5 m probe lead

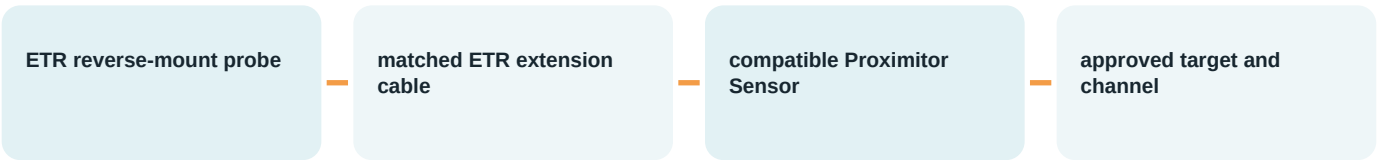
ROLE 3

Supports elevated-temperature probe service

ROLE 4

Retains the 3300 XL 8 mm system response

SIGNAL / SERVICE PATH



High-temperature proximity sensing

Places the reverse-mount probe in an elevated-temperature measurement location.

Shaft vibration monitoring

Uses the matched 3300 XL 8 mm chain for non-contacting radial measurement.

Axial position monitoring

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

Controlled ETR renewal

Preserves reverse-mount geometry, lead length, cable type and system calibration.

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Field-work sequence and acceptance controls

01 Verify 330195-02-12-05-00 and the reverse-mount probe position

Verify 330195-02-12-05-00 and the reverse-mount probe position.

02 Allow hot equipment to reach the approved maintenance condition

Allow hot equipment to reach the approved maintenance condition.

03 Isolate the monitoring circuit before disconnecting the probe chain

Isolate the monitoring circuit before disconnecting the probe chain.

04 Record probe, ETR cable and Proximitor pairing before removal

Record probe, ETR cable and Proximitor pairing before removal.

05 Protect coaxial connectors from contamination and mechanical strain

Protect coaxial connectors from contamination and mechanical strain.

06 Apply the documented reverse-mount installation torque without over-tightening

Apply the documented reverse-mount installation torque without over-tightening.

07 Set and review probe gap after restoring the matched system

Set and review probe gap after restoring the matched system.

08 Complete a controlled vibration or position response check

Complete a controlled vibration or position response check.

RELATED SERVICE REFERENCES

01	Bently Nevada 330878-51-00	OPEN	02	Bently Nevada 200151-60-03-10	OPEN
03	Bently Nevada 330180-X1-05 MOD:145655-09	OPEN			

ACCEPTANCE RECORD

Retain the final 330195-02-12-05-00 identity, connection, configuration, diagnostic and controlled-response result.

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330195-02-12-05-00

Model-specific questions and decisions

1 Which mounting style is used by Bently Nevada 330195-02-12-05-00?

It is the reverse-mount version of the 3300 XL 8 mm ETR probe.

2 What thread belongs to Bently Nevada 330195-02-12-05-00?

The probe uses a 3/8-24 UNF mounting thread.

3 How long is the lead on Bently Nevada 330195-02-12-05-00?

Code 05 specifies a total probe lead length of 0.5 m.

4 What does the final 00 mean on Bently Nevada 330195-02-12-05-00?

The final code selects the no-approvals option.

5 What elevated temperature can Bently Nevada 330195-02-12-05-00 withstand?

The ETR probe is rated to 218 deg C; the matching ETR cable is rated higher.

6 Which cable construction accompanies Bently Nevada 330195-02-12-05-00?

The ETR arrangement uses a 75 ohm PFA-insulated cable.

7 What torque is recommended for Bently Nevada 330195-02-12-05-00?

The reverse-mount probe installation value is 7.5 N m.

8 What must stay matched with Bently Nevada 330195-02-12-05-00?

Retain the ETR cable, compatible Proximity Sensor, total system length and target calibration.

RELATED MODEL REFERENCES

01	Bently Nevada 200350-02-00-00-00	OPEN	02	Bently Nevada 168209-0317-127-90-05-01	OPEN
03	Bently Nevada 143493-00-080-080-70-00	OPEN			

SOURCE IDENTIFIER

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

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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 21501-00-16-05-02	OPEN	02	Bently Nevada 330180-X1-05 MOD:143416-02	OPEN
03	Bently Nevada 330901-05-55-05-11-05	OPEN	04	Bently Nevada 74712-01-10-02-00	OPEN
05	Bently Nevada 146054-14-10-02-00	OPEN	06	Bently Nevada 21000-34-05-00-040-03-02	OPEN
07	Bently Nevada 21000-32-05-00-038-03-02	OPEN	08	Bently Nevada 21000-34-05-00-036-03-02	OPEN
09	Bently Nevada 21000-34-05-00-022-03-02	OPEN	10	Bently Nevada 21000-28-05-40-028-04-02	OPEN
11	Bently Nevada 21000-00-00-15-226-03-02	OPEN	12	Bently Nevada 21000-16-10-00-167-04-02	OPEN

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