Bently Nevada 330105-02-12-10-12-05

Reverse Mount Probe / Exact identity and technical profile

This reference separates the exact published characteristics of Bently Nevada 330105-02-12-10-12-05 from neighboring family variants and undocumented suffixes.

Base part	330105 reverse-mount 3300 XL 8 mm probe
Fixed geometry code	02-12
Mounting thread	3/8-24 UNF
Total-length option	10 - 1.0 m (3.3 ft)
Connector and cable option	12 - Miniature ClickLoc coaxial connector, FluidLoc cable
Agency-approval option	05 - CSA, ATEX and IECEx

TECHNICAL MARKER

3/8-24 UNF reverse-mount execution

TECHNICAL MARKER

1.0 m total probe length

TECHNICAL MARKER

Miniature ClickLoc connector and FluidLoc cable

TECHNICAL MARKER

CSA, ATEX and IECEx approval option

Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

Identity evidence	Read 330105-02-12-10-12-05 from the installed label and procurement record
Function evidence	Confirm the published reverse mount probe role in the 3300 XL 8 mm Proximity Transducer System system
Configuration evidence	Retain the project, mapping, range, address or interface assigned to this position
Release evidence	Link final diagnostics to a witnessed field or operator response

TECHNICAL DECISION

Accept 330105-02-12-10-12-05 only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented 330105-02-12-10-12-05 position requires separate engineering approval.

Bently Nevada 330105-02-12-10-12-05

Reverse Mount Probe / Published characteristics

This matrix groups the published 330105-02-12-10-12-05 characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact reverse mount probe record.

Base part	330105 reverse-mount 3300 XL 8 mm probe
Fixed geometry code	02-12
Mounting thread	3/8-24 UNF
Total-length option	10 - 1.0 m (3.3 ft)
Connector and cable option	12 - Miniature ClickLoc coaxial connector, FluidLoc cable
Agency-approval option	05 - CSA, ATEX and IECEx
One-metre chain arrangement	Probe connected directly to a 1.0 m Proximitor Sensor; no extension cable
Nominal scale factor	7.87 V/mm (200 mV/mil)
Linear range	2 mm (80 mil)
Recommended radial-vibration gap	Approximately 1.27 mm (50 mil), -9 V DC
Standard-probe temperature range	-52 to +177 deg C (-62 to +350 deg F)
Calibration target basis	AISI 4140 steel

INTERPRETATION

Use every 330105-02-12-10-12-05 value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make 330105-02-12-10-12-05 data actionable.

Nameplate check	Manufacturer and full reference agree with the controlled record
Range check	Published operating or signal data agree with the configured use
Interface check	Backplane, terminal, cable, network or memory arrangement is documented
Limit check	Loading, channel count, supply or lifecycle constraint is reviewed
Evidence close	Source title and applicable product record are retained with the decision

NO BORROWED VALUES

Another Bently Nevada suffix cannot fill a missing 330105-02-12-10-12-05 parameter.

ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

Bently Nevada 330105-02-12-10-12-05

Reverse Mount Probe / System role and data flow

Reverse-mount bearing housings

Places the 3/8-24 UNF probe through the documented reverse-mount sleeve arrangement.

Relative shaft vibration

Measures dynamic shaft motion within the calibrated 3300 XL 8 mm chain.

Axial position monitoring

Uses the static gap signal to observe shaft position in the documented linear range.

Hazardous-area machinery channels

Retains the exact 05 approval selection when installed under the applicable control drawings.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	330105-02-12-10-12-05 performs its published reverse mount probe role
Control layer	PLC project, address map or runtime application interprets the exchanged data
Acceptance layer	Diagnostics and intended process response are witnessed together

Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

Observed input	Field, network or operator condition presented to 330105-02-12-10-12-05
Published action	The documented reverse mount probe function processes that condition
Configured interpretation	PLC logic, HMI project or station mapping assigns system meaning
Expected output	A defined state, value, message or command is produced
Acceptance proof	The complete path is witnessed under controlled conditions

APPLICATION RECORD

Tie each 330105-02-12-10-12-05 use case to the installed drawing or project tag.

EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

Bently Nevada 330105-02-12-10-12-05

Reverse Mount Probe / Engineering decisions

SUPPORTED IDENTITY

330105-02-12-10-12-05

PUBLISHED FUNCTION

Reverse Mount Probe

SYSTEM CONTEXT

3300 XL 8 mm Proximity Transducer System

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

Which probe geometry is fixed by Bently Nevada 330105-02-12-10-12-05?

It is the 330105 reverse-mount execution with the fixed 02-12 geometry and 3/8-24 UNF thread.

Which cable construction is selected for Bently Nevada 330105-02-12-10-12-05?

The 12 option specifies a Miniature ClickLoc coaxial connector with FluidLoc cable.

Does Bently Nevada 330105-02-12-10-12-05 require an extension cable?

No. The manufacturer states that a one-metre system does not use an extension cable; the probe connects to the matching one-metre Proximitor Sensor.

Which linear range is documented for Bently Nevada 330105-02-12-10-12-05?

The matched 3300 XL 8 mm system has a 2 mm, or 80 mil, linear range.

Which probe length is encoded by Bently Nevada 330105-02-12-10-12-05?

The 10 option specifies a total probe length of 1.0 m, or 3.3 ft.

Which approvals are selected for Bently Nevada 330105-02-12-10-12-05?

The 05 suffix identifies the CSA, ATEX and IECEx approval option.

Which scale factor applies to Bently Nevada 330105-02-12-10-12-05?

The matched standard one-metre 3300 XL 8 mm system has a nominal 7.87 V/mm, or 200 mV/mil, scale factor.

What completes commissioning of Bently Nevada 330105-02-12-10-12-05?

Verify the exact chain identity, mechanical gap, polarity, scale, static position, dynamic response and every connected monitor alarm.

Decision closeout

Close the 330105-02-12-10-12-05 technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The 330105-02-12-10-12-05 decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

Bently Nevada 330105-02-12-10-12-05

Reverse Mount Probe / Evidence and support

Exact product	Bently Nevada 330105-02-12-10-12-05
Technical class	Reverse Mount Probe
Platform	3300 XL 8 mm Proximity Transducer System
Evidence use	Exact-model characteristics and engineering boundary
Record with	Installed drawing, project and acceptance evidence

Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

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MANUFACTURER EVIDENCE RECORD

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet

Document 141194 Rev. AN, exact 330105 reverse-mount ordering table

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

Send the exact model, quantity, destination and requested condition for a quotation.