Bently Nevada 330232-05-10-12-05

Complete product information

Bently Nevada 330232-05-10-12-05 belongs to the 330232 right-angle button-style 3300 XL 8 mm proximity probe family for restricted mounting spaces.

Product and offer identity

Complete part number	330232-05-10-12-05
Product type	3300 XL 8 mm Right-Angle Button-Style Proximity Probe
Condition	New, original product
Shipping	Swift global dispatch
Shipping size (est.)	1.6cm x 1.6cm x 76cm
Weight	0.04 kg
Country of origin	USA
Tariff reference	8537101190
Ships from	Xiamen, Fujian, China

Technical specifications

Probe family	330232 right-angle button style
Sensing system	3300 XL 8 mm
Tip orientation	90 degrees to lead path
Nominal tip height	8.4 mm, 330232 family
Tip construction	Molded PPS and stainless steel
Compatible sensor family	3300 XL 8 mm Proximitor and extension cable
Matched-system linear range	2.0 mm (80 mils), family system
Matched-system scale	7.87 V/mm (200 mV/mil), family system
Tip operating range	-51 to +177 deg C, family design
Cable family	FluidLoc available in 90-degree tip family

Overview

The 330232 family packages a 90-degree sensing tip in a button form for locations where a straight probe cannot fit. The manufacturer describes an 8.4 mm tip height and a PPS/stainless tip assembly. The supplied suffix remains part of the identity and must be matched to the physical label.

The button probe works within a 3300 XL 8 mm chain. Published 80 mil range and 200 mV/mil scale are system figures under matched calibration, so the extension and Proximitor must be selected together with the probe.

Install against a verified conductive target, retain secure mounting and protect the cable exit from traction or liquid migration. Confirm the actual cable and connector arrangement from the offered unit before wiring.

Applications and compatibility

Restricted radial clearance

Use the right-angle tip where a straight probe would interfere with surrounding machine structure.

Thrust-position sensing

Orient the button toward the axial target after checking target size and travel.

Retrofit planning

Compare the original bracket and button mounting surface with the 330232 family geometry.

Machine diagnostics

Use the dynamic signal only after a matched 3300 XL 8 mm chain is calibrated and accepted.

Product precautions

Button retention

Verify the mounting method and approved surface preparation before operation.

Tip clearance

Preserve a noncontact gap through full machine movement.

System matching

Confirm extension and Proximitor identity as a matched 8 mm chain.

Cable option

Check the actual supplied lead and connector against the removed probe.

Target response

Evaluate target alloy and adjacent metal effects in the installed geometry.

As-left result

Record fixed position, gap voltage and monitored signal trend.

Buyer information

Send the exact complete marking, application, quantity and required delivery destination. Confirm the offered condition and included items in the written quotation; shipment details are established with the order.

Lifecycle and available-unit details

The current manufacturer lifecycle phase for this exact complete ordering identity is not established here. Review the installed machine configuration before a replacement decision.

The offered unit is New, original product. Request available label and connector photographs for comparison with the installed part before approving the supply scope.

Engineering questions

How does the 90-degree tip of 330232-05-10-12-05 change target positioning?	The sensing face is perpendicular to the lead path. Verify the actual target normal, bracket alignment and clearance before setting the electrical gap.
Can 330232-05-10-12-05 be used with an arbitrary 3300 XL extension cable?	It belongs to the 8 mm family, but electrical length and connector arrangement still need to match the selected Proximitor. Check the complete component markings.
Why can a button-style installation of 330232-05-10-12-05 become unstable?	Poor retention, cable pull or nearby conductive structure can alter tip position. Inspect the bracket and route before replacing electronics.
What can shift the calibrated scale when 330232-05-10-12-05 is installed on another target?	Target alloy, surface size and nearby metal affect eddy-current coupling. Verify the complete chain on the actual target.

What fault finding should precede replacing 330232-05-10-12-05 for a flat signal?	Isolate the channel, check continuity and connector condition, then test the probe separately from the extension and sensor.
How should the temperature rating of 330232-05-10-12-05 be interpreted?	The published range concerns the 90-degree tip family. Confirm the actual cable, connector and conditioning electronics remain within their own limits.
What can cause cross-talk near 330232-05-10-12-05?	Two tips close to a shared conductive target can couple. Verify spacing and compare both channels at operating gap.
What installation data should be retained for 330232-05-10-12-05?	Record the complete marking, bracket orientation, target material, matched extension and Proximitor, as-left gap and signal baseline.

Additional technical criteria

Tip geometry	330232 is a right-angle button-style probe family.
Tip height	The published button-tip height is 8.4 mm.
Tip construction	Molded PPS and stainless steel.
System family	Use with 3300 XL 8 mm extension and Proximitor.
Matched range	80 mil nominal linear range describes the calibrated system.
Matched scale	200 mV/mil describes the calibrated system.
Temperature	The 90-degree tip family covers -51 to +177 deg C.
Option boundary	Confirm the supplied suffix and connector from the unit marking.

Engineering integration decisions

Clearance	Confirm the right-angle tip fits the machine recess and remains clear of moving metal.
Target	Verify conductive target material and approach direction before setting gap.
Cable exit	Protect the button-tip lead from traction at the mounting point.
Matched channel	Use the approved 8 mm extension and Proximitor with the installed monitor.
As-left check	Record the full marking, gap voltage and live channel response.

Technical basis

Bently Nevada Orbit, 90-degree probe-tip introduction, Vol. 25 No. 1

Discuss the complete marking and installed application with Apter Power.
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