Bently Nevada 330232-05-10-12-05

Engineering installation and verification guide

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.

01 / Establish the installed identity

Compare the full offered model and any visible revision or approval marks with the removed item, machine drawing and monitor configuration. Capture the original measured baseline before changing the sensing chain.

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

02 / Engineering interface map

1 / machine target	Start from the actual installed application.
2 / probe	Confirm fit and identity before energizing.
3 / matched extension / lead	Confirm fit and identity before energizing.
4 / Proximitor	Confirm fit and identity before energizing.
5 / monitor	Confirm fit and identity before energizing.

03 / Installation decisions

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.

04 / Acceptance sequence

Isolate and inspect	Apply site isolation and inspect the physical part, contacts, seal or route as applicable.

Fit and connect	Use the verified mounting and electrical interface; preserve the installed channel design.
Prove response	Check the relevant gap, bias, pressure or velocity output against the approved site procedure.
Record as left	Save complete markings, test results, configuration and operating trend before release.

05 / Fault isolation by symptom

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.

06 / Engineering review before release

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.

Technical basis

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

Discuss the complete marking and installed application with Apter Power.
sales13@apterpower.com | +86 18030235313