129716-XXX-032-90-05 MOD:166797-0111

01 / Identity and work boundary

Bently Nevada 129716-XXX-032-90-05 MOD:166797-0111 is offered as a flexible proximity probe for shaft monitoring. Match the complete modification marking to the installed measuring chain.

Separate the two identity levels

Base design	129716: flexible proximity probe in the 3300 XL 8 mm family; 3/8-24 base case thread.
Supplied identity	129716-XXX-032-90-05 MOD:166797-0111
Configuration control	Retain every suffix and the MOD marking. Match actual geometry and electrical arrangement to the controlled unit drawing.

Before disturbing the channel

Record the installed probe position, gap indication, target area, cable route and companion signal-conditioning hardware. Identify the monitoring channel and approved machine-isolation procedure.

Scope of this guide

This is a preparation and verification guide for the offered modified reference. Base-design facts do not replace the unit-specific drawing or establish the modified assembly electrical and environmental ratings.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

129716-XXX-032-90-05 MOD:166797-0111

02 / Readiness and matching

Probe identity	Compare the complete order code and MOD:166797-0111 with the installed unit and replacement marking.
Physical arrangement	Inspect the tip, case, thread engagement, flexible lead and connector. Compare the actual installation geometry.
Electrical chain	Record the probe, extension cable where used, Proximitor sensor and monitor. Match the approved combination rather than a shared connector appearance.
Target and location	Check conductive target material, surface condition, sensing location and nearby metal.
Operating conditions	Confirm the unit-specific temperature, sealing and hazardous-area conditions before installation.

Meaning of the family reference

The 3300 XL proximity architecture combines a probe with signal conditioning and, where required, an extension cable. The associated system produces the monitored output; the probe is not a standalone powered transmitter.

Suffix handling

Do not decode XXX, 032 or 90 with another probe ordering table. Use the marked and controlled configuration to select the correct physical and electrical arrangement.

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03 / Replacement workflow

1 / Establish the work boundary	Apply the approved machine and channel isolation procedure and preserve the required protection arrangements.
2 / Record the existing position	Record probe orientation, operating gap and lead routing before loosening the mount.
3 / Compare the replacement	Match all markings and the actual mechanical arrangement. Resolve a mismatch before proceeding.
4 / Install and route	Use the applicable unit instructions for fastening and cable handling. Protect the tip and support the flexible lead.
5 / Restore the measuring chain	Reconnect the approved companion components and protect the connections from contamination and moisture.

Mechanical acceptance

The sensing tip must remain clear of the target throughout the expected machine movement. Check mounting rigidity and the intended view of the target; unintended surrounding metal can influence an eddy-current measurement.

Keep records together

Retain the original channel record, replacement full marking and configuration drawing together so the next service visit preserves the same reference.

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04 / Response and channel verification

Identity check	Confirm the full model and MOD match before applying the channel test procedure.
Gap and target	Verify the operating gap and conductive target against the approved installation. Do not select a numerical gap from a generic replacement example.
Signal response	Use the applicable controlled response-check procedure and acceptance limits for the complete measuring chain.
Monitoring configuration	Confirm channel scaling, polarity, alarm configuration and intended measurement duty.
Functional release	Prove the affected monitoring functions under the site procedure and restore protection only after acceptance.

Performance boundary

A nominal scale factor or measurement range from a standard 3300 XL system is not automatically an acceptance limit for this modified probe. Keep the approved assembly and system configuration with the test record.

Reference and speed duties

When the channel observes a shaft feature, verify target geometry and receiving-equipment response. Overspeed protection requires an application-specific assessment and approved architecture.

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05 / Service decisions and references

Changed gap or response	Check the target, actual probe position, mounting stability and the complete cable/conditioning chain before changing channel settings.
Different replacement marking	Stop the substitution and resolve the suffix and MOD difference against the controlled drawing.
Damaged lead or connector	Inspect the affected connection and use the approved repair or replacement procedure; do not conceal damage with an assumed calibration adjustment.

Technical basis

Bently Nevada Approvals Quick Reference Guide, 108M1756 Rev. - (05/15); 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AN. Base identity and system context only; apply the unit-specific configuration to the offered modification.

Other proximity-product references

Bently Nevada 330103-00-05-10-02-00

Bently Nevada 330730-080-00-05

Bently Nevada 330103-07-18-10-02-00

Navigation only. These are not confirmed substitutes, approved companions or included items for this modified probe.

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