BENTLY NEVADA TECHNICAL DOCUMENT

Product Data Sheet

21000-34-05-00-015-04-02

01 PRODUCT IDENTIFICATION

Manufacturer	Bently Nevada
Model	21000-34-05-00-015-04-02
Family	21000 / 24701 Probe Housings
Product type	Proximity Probe Housing Assembly

02 VERIFIED TECHNICAL DATA

Probe configuration option	34: 3300 XL 8 mm, protector, approval option
Probe cable length option	05: 0.5 m
Standoff adapter option	00: No standoff adapter
Probe penetration option	015: 1.5 in (38.10 mm)
Fittings option	04: One 3/4-14 NPT plug only
Mounting thread option	02: 3/4-14 NPT
Housing body material	Aluminum
Sleeve material	304 stainless steel

03 REMAINING TECHNICAL DATA

Penetration adjustment	+/-0.5 in (13 mm)
Enclosure classification	CSA Type 4; standard non-CA housing
Long-sleeve support threshold	Additional support above approximately 12 in
Probe thermal range	-51 to +177 deg C; pressure-seal caution below -34 deg C

04 TECHNICAL AND APPLICATION NOTES

Bently Nevada 21000-34-05-00-015-04-02 provides an externally mounted housing for a 3300 XL 8 mm reverse-mount proximity probe with connector protection. This configuration uses an aluminum body and a 304 stainless steel sleeve, with a 0.5 m probe lead. The ordered penetration is 1.5 inches with no standoff adapter and a 3/4-14 NPT mounting thread. Fitting option 04 supplies one NPT plug only. Check the remaining cable entry and machine geometry; the housing is not the CA-prefixed explosion-proof version.

05 APPLICATIONS

- Locate an external vibration probe: Use the 1.5-inch penetration configuration to position the selected XL 8 mm probe for dynamic shaft measurements on a fluid-film bearing machine. Check sleeve clearance and the conductive target geometry. The external housing supports the probe; the complete transducer chain performs the measurement.
- Support a static position measurement: The housing can carry its selected proximity probe for static position measurement. The aluminum body and NPT mounting interface must suit the machine location, while penetration adjustment establishes the required probe-to-target gap. Confirm the monitor range and target arrangement with the probe documentation.
- Position a timing-reference probe: The selected XL 8 mm family supports Keyphasor reference and speed measurements. Use the housing only where its sleeve and cable-entry arrangement suit that target. Speed or overspeed protection requires the manufacturer application guidance and the complete monitoring-system design, not housing selection alone.

06 INSTALLATION CONTROL

Confirm the full model and 1.5-inch ordered penetration. Use the complete probe user guide and approved site installation procedure.

Sources: Bently Nevada 141600 Rev. AC / 141194 Rev. AM. Exact option tables and applicable system context.