

BENTLY NEVADA TECHNICAL DOCUMENT

Product Data Sheet

21000-28-05-00-035-01-02

01

PRODUCT IDENTIFICATION

Manufacturer	Bently Nevada
Model	21000-28-05-00-035-01-02
Family	21000, 24701, and 164818 Probe Housing Assemblies
Product type	Proximity Probe Housing Assembly

02

VERIFIED TECHNICAL DATA

Probe selection	3300 XL 8 mm, selectable hazardous-area approvals
Probe cable length	0.5 metre
Standoff adapter	Not fitted
Nominal penetration	3.5 inches (88.9 mm)
Conduit fittings	One explosion-proof fitting and one NPT plug
Mounting connection	3/4-14 NPT
Housing body material	Aluminum
Probe sleeve material	304 stainless steel

03 REMAINING TECHNICAL DATA

Cover design	Threaded dome cover
Penetration adjustment	Nominal +/-0.5 inch (13 mm)

04 TECHNICAL AND APPLICATION NOTES

21000-28-05-00-035-01-02 is a configured external proximity probe housing assembly with a 3300 XL 8 mm probe, 0.5 metre probe cable, no standoff adapter, 3.5 inch nominal probe penetration, and NPT conduit hardware. The housing uses an aluminum body, a 304 stainless-steel probe sleeve, a threaded dome cover, and a 3/4-14 NPT machine mounting connection. Confirm the complete order code, target geometry, probe system electrical length, and hazardous-area requirements before installation.

05 APPLICATIONS

- Radial shaft vibration measurement
- Axial shaft position measurement
- Rotor eccentricity measurement
- Differential expansion measurement
- Phase-reference measurement

06 INSTALLATION CONTROL

Verify the complete order code and supplied probe markings. Gap and commission the matched transducer system using the applicable manufacturer instructions.