

3300 XL 8 MM PROXIMITY TRANSDUCER SYSTEMS

# Product Data Sheet

**330104-02-09-10-01-00**

8mm eddy-current proximity probe

| PROBE CASE THREAD | OVERALL CASE LENGTH | INTEGRAL LEAD LENGTH | UNTHREADED CASE LENGTH |
|-------------------|---------------------|----------------------|------------------------|
| <b>M10 x 1</b>    | <b>90 mm</b>        | <b>1.0 m</b>         | <b>20 mm</b>           |

Bently Nevada 330104-02-09-10-01-00 is an 8 mm proximity probe in the 3300 XL transducer-system range. It is used with a matched extension cable and Proximitor sensor to measure shaft vibration and position in compatible machinery-monitoring arrangements.

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## VERIFIED TECHNICAL DATA

|                             |                                   |
|-----------------------------|-----------------------------------|
| Probe case thread           | M10 x 1                           |
| Overall case length         | 90 mm                             |
| Integral lead length        | 1.0 m                             |
| Unthreaded case length      | 20 mm                             |
| Cable armor                 | Stainless steel                   |
| Connector configuration     | ClickLoc with connector protector |
| Agency approval option      | Not required                      |
| Probe tip diameter          | 8 mm                              |
| Cable impedance             | 75 ohm                            |
| Probe operating temperature | -51 to +177 deg C                 |

## ADDITIONAL PRODUCT DATA

|                                   |                           |
|-----------------------------------|---------------------------|
| Connector maximum torque          | 0.565 N m                 |
| Matched system linear range       | 2 mm; 0.25 to 2.30 mm gap |
| Matched system scale factor       | 7.87 V/mm nominal         |
| Matched system frequency response | 0 to 10 kHz               |
| Probe DC resistance               | 7.59 $\pm$ 0.50 ohm       |

## DOCUMENTED USE SETTINGS

Electricity Generation and Industrial Energy Production: Thermal Electric Power Generation.

Oil Production and Natural Gas Processing: Oil Exploration and Production.

Pulp Processing and Paper Manufacturing Production: Pulp Production Process Automation.

## SYSTEM COMPATIBILITY

Bently Nevada 330104-02-09-10-01-00 is an 8 mm proximity probe in the 3300 XL transducer-system range. It is used with a matched extension cable and Proximitor sensor to measure shaft vibration and position in compatible machinery-monitoring arrangements.

## PRODUCT EVIDENCE

Bently Nevada 3300 XL 8 mm proximity transducer systems official manufacturer datasheet; source pages 1, 4, 5, 6, 7, 8, 13, 14, 15, 35, 36