

3300 XL 8 mm / Product Dashboard

330103-00-08-10-01-00

M10 METRIC PROXIMITY PROBE

This 330103 article is the unarmored 8 mm probe with a 0 mm unthreaded section, 80 mm case, 1.0 m standard lead and protected ClickLoc termination.

Metric case

M10 x 1 thread, without armor

Unthreaded length / 00

0 mm

Overall case / 08

80 mm, metric 10 mm increments

Integral lead / 10

1.0 m (3.3 ft)

It becomes a calibrated measurement chain with the correct 8 mm Proximitor and, for 5 m or 9 m systems, the matching extension cable.

Order Code and System Data

330103-00-08-10-01-00

Integral lead / 10	1.0 m (3.3 ft)
Connector / 01	Protected ClickLoc, standard lead
Approval / 00	No additional agency-approval option
Probe tip	Polyphenylene sulfide (PPS)
Probe case	AISI 303 or 304 stainless steel
Probe lead	75 ohm triaxial, FEP insulated
Probe DC resistance	7.59 +/- 0.50 ohm for the 1.0 m lead
Probe temperature	-52 to +177 deg C operating/storage

Seal caution	Below -34 deg C can shorten pressure-seal life
M10 case torque	11.2 N m recommended, forward mount
M10 engagement	15 mm maximum thread engagement
Matched system length	1 m probe-only, or 5 m / 9 m with extension
Matched-system output	7.87 V/mm (200 mV/mil) nominal
Matched-system range	2 mm (80 mil) standard linear range
Matched-system gap	1.27 mm / about -9 Vdc for radial vibration
Matched-system response	0-10 kHz, +0/-3 dB typical

System figures apply to the complete 3300 XL 8 mm chain under the manufacturer's stated target and calibration conditions, not to the loose probe alone.

Applications and Integration

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Axial / thrust position

Use the specified 8 mm linear range with the matched monitoring chain.

Turbine expansion

Monitor ramp differential expansion in the approved steam-turbine arrangement.

Reciprocating compressor

Support rod position or rod-drop measurement.

Speed and phase

Provide configured tachometer, zero-speed or Keyphasor measurement.

MATCHED SIGNAL PATH



Service Decisions

330103-00-08-10-01-00

What does case code 08 mean?

An 80 mm overall metric case, not an 8 mm case length.

How long is the integral lead?

Code 10 is a 1.0 m probe lead.

Which cable execution is supplied?

Code 01 is a standard lead with a protected ClickLoc connector.

Is the probe armored?

No. Base 330103 is an unarmored M10 x 1 case.

Can it be used in a probe-only loop?

Yes, with a matching 1 m 3300 XL 8 mm Proximitor setup.

What system length must be matched?

Use the selected 1 m, 5 m or 9 m system configuration.

CONTROLLED RELEASE

Verify exact identity, lead and connector option, system length, target gap and accepted monitored response before releasing the machine.

Source and Related Portfolio

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MANUFACTURER SOURCE RECORD

Baker Hughes / Bently Nevada, 3300 XL 8 mm Datasheet 141194 Rev AN, pp. 4-9, 13-14.

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