330104-00-05-10-11-05

3300 XL 8 mm metric probe | Complete-code field sequence

Use the complete five-group marking to verify mechanical fit, FluidLoc cable, protected connector and site approvals before changing the monitored channel.

Order-code decision map

330104 / 00 / 05

Metric armored 8 mm probe, M10 x 1 case; zero unthreaded section and 50 mm overall case length.

10 / 11 / 05

1.0 m integral FluidLoc lead; ClickLoc connector with protector; CSA, ATEX and IECEx approval option.

Measurement-chain boundary

This probe

Metric armored probe and 1.0 m FluidLoc lead.

Extension cable

Select length to match the Proximitor total.

Proximitor Sensor

Confirm system length and monitor setup.

The probe alone does not establish a calibrated system. Record all three part numbers, the installed gap indication and the original site drawing before disconnecting.

Pre-work record

01 Complete identity

Photograph the offered and removed complete order codes. Verify metric 330104 construction and every option group.

02 Channel state

Identify the monitored machine, target position, isolation state and last accepted gap reading.

M10 x 1 thread

Inspect bracket threads and verify that the armored case can be adjusted without target contact.

0 / 50 mm geometry

Option 00 gives no unthreaded section; option 05 gives a 50 mm overall case. Check insertion depth and clearance.

Fit and installation

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FluidLoc lead

Option 11 specifies the cable construction. Route the 1.0 m lead without abrasion, crushing or tensile load.

Protected ClickLoc

Inspect the mating surfaces and protector, then confirm the enclosure accommodates both connector and cable bend.

Approval option 05

Compare actual CSA, ATEX and IECEx marks with the site hazardous-area drawing; review all installed components.

Sensor pairing

Record extension and sensor numbers. Match their combined electrical length to the Proximitor marking.

System-length calculations

Check the selected chain

For a 5.0 m chain: 1.0 m probe + 4.0 m extension (040). For a 9.0 m chain: 1.0 m probe + 8.0 m extension (080). Confirm exact extension and sensor markings; companion items are separate unless itemized.

Controlled replacement: first checks

1 Isolate and document

Record machine state, monitor channel, complete installed markings and previous gap voltage.

2 Compare the assembly

Check M10 x 1 thread, 50 mm case, armor, FluidLoc cable and protected ClickLoc against the removed probe.

3 Mount the probe

Fit in the approved bracket; keep the 8 mm tip clear of the target while adjusting insertion depth.

Commissioning and handover

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4 Route the lead

Protect the 1.0 m FluidLoc cable and strain-relieve the protected connector within the enclosure.

5 Complete the chain

Join the extension cable and matched Proximitor Sensor. Inspect each connector and verify total length.

6 Restore in stages

Set gap under the site procedure; then observe channel response during controlled machine operation.

Diagnostic path

Unexpected baseline

Recheck target position and gap first, then compare 1.0 m probe, extension and Proximitor length markings.

Intermittent response

Inspect FluidLoc cable routing, protected ClickLoc junction and strain relief; check continuity by the approved method.

Mechanical interference

Review bracket clearance and 50 mm case insertion before further adjustment; avoid target contact.

Handover evidence

Record complete probe, extension and sensor numbers, approval marks, gap voltage, target position and controlled response. Compare with the maintenance record before service.

Technical basis

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AN. Ordering groups identify this metric armored probe; system response depends on the matched chain.

Related Apter Power listings

Bently Nevada 330130-085-00-02
Bently Nevada 330101-04-36-05-02-05
Bently Nevada 330102-04-16-10-02-00
Bently Nevada 330104-00-16-10-02-00

Discuss this exact configuration

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