330101-00-27-90-02-00

3300 XL 8 mm probe | 9.0 m direct sensor pairing

This guide identifies the complete long-lead probe code, checks mechanical fit and controls the transition to a 9.0 m Proximitor Sensor.

Complete order-code map

330101 / 00 / 27

Unarmored 8 mm probe, 3/8-24 UNF case, 0.0 in unthreaded section and 2.7 in overall case length.

90 / 02 / 00

9.0 m total probe length; standard cable and miniature coaxial ClickLoc without protector; agency approval not required.

9.0 m measurement chain

This probe

9.0 m total length, including its integral cable.

Extension

Do not add an extension cable to this chain.

Proximitor Sensor

Match a 9.0 m 3300 XL sensor.

The order code identifies the probe, not a complete calibrated system. Record the installed sensor number and its 9.0 m marking before removing the old assembly.

Before isolation

01 Identify channel

Record machine, monitor channel, shaft target, existing probe and sensor codes, and accepted gap voltage.

02 Check approval needs

Option 00 does not request agency approval. Compare actual unit marking and site classification before installation.

Mechanical and electrical checks

330101-00-27-90-02-00 | Installation sequence

1 Match the bracket

Verify 3/8-24 UNF thread, 2.7 in overall case and zero unthreaded section. Check insertion depth and target clearance.

2 Inspect the offered unit

Compare all five option groups, cable sheath, 8 mm tip and the unprotected ClickLoc mating surface.

3 Route the 9.0 m cable

Protect the unarmored lead from hot surfaces, abrasion, tight bends and tension. Keep the connector clean and strain-relieved.

4 Join the sensor

Connect directly to a matching 9.0 m 3300 XL Proximitor Sensor; verify positive seating and moisture protection.

5 Set the reference gap

Follow the approved monitor and machinery protection procedure. Avoid contact with the target during adjustment.

6 Restore in stages

Check the site electrical arrangement, then observe channel response in a controlled machine condition.

Acceptance and handover

330101-00-27-90-02-00 | Diagnostic path and records

Unexpected baseline

Recheck shaft target and gap first, then verify the 9.0 m probe and sensor markings and monitor configuration.

Intermittent response

Inspect the exposed ClickLoc connection, lead route and strain relief; check continuity by approved method.

Mechanical interference

Review bracket geometry and the 2.7 in case before any further adjustment; do not force the tip toward the target.

Incomplete approval evidence

Review the offered label and site drawing. Option 00 alone does not establish hazardous-area suitability.

Handover record

Record the complete probe and 9.0 m sensor codes, cable route, connector condition, target, gap voltage and controlled response. Note any deviation from the removed assembly.

Technical basis

Bently Nevada 3300 XL 8 mm Proximity Transducer System Datasheet, 141194 Rev. AN. The 330101 ordering table defines the 90, 02 and 00 options.

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