Bently Nevada 100630-00-43-05-01

Complete product information

Bently Nevada 100630-00-43-05-01 is a 3/8-24 UNF 3300 XL 8 mm underwater proximity probe with a sealed case, Tefzel tubing, 4.3 in overall case and 0.5 m lead.

Product and offer identity

Complete part number	100630-00-43-05-01
Product type	3300 XL 8 mm Underwater Proximity Probe
Condition	New, original product
Shipping	Swift global dispatch
Shipping size (est.)	22cm x 15cm x 5cm
Weight	0.25 kg
Country of origin	USA
Tariff reference	8537101190
Ships from	Xiamen, Fujian, China

Technical specifications

Probe family	3300 XL 8 mm underwater
Mounting thread	3/8-24 UNF
Unthreaded length	0.0 in (00 option)
Overall case length	4.3 in
Total probe length	0.5 m
Connector option	Miniature coaxial ClickLoc with protector (01)
Cable type	Standard cable inside Tefzel tubing
Probe-case material	AISI 304 stainless steel
Tip-to-case seal rating	34 bar (500 psi), nitrogen
Probe operating range	-51 to +177 deg C
Connector sealing	Connector end is not submersible

Overview

This 100630 configuration selects a 4.3 in case with 0.0 in unthreaded length. The sealed 3/8-24 body and tubing support continuous fluid exposure around the probe and cable run, while the ClickLoc connector must remain outside the liquid.

The 100630 belongs to the 3300 XL 8 mm transducer family. Pair it only with the corresponding 8 mm extension cable and Proximitor, keeping the complete electrical length and target calibration together; the 11 mm and 25 mm underwater families use different sensors.

The manufacturer rates the probe tip-to-case seal to 34 bar nitrogen and specifies an AISI 304 case. Validate the process fluid, mounting seal, pressure boundary and connector location for the actual machine.

Applications and compatibility

Hydroelectric machinery

Position the probe in an approved immersed sensing location while routing its connection above the liquid boundary.

Wastewater equipment

Use the sealed case where the machine design exposes the probe to liquids; confirm process compatibility.

Radial vibration channel

Set an 8 mm matched chain at the approved bearing target and check the gap under operating conditions.

Axial position channel

Use a conductive target with adequate travel and keep the connector junction in a protected dry location.

Product precautions

Dry connector zone

The probe body may be immersed; the ClickLoc connector end must not be submerged.

Process compatibility

AISI 304 is not suitable for salt water; evaluate the actual liquid before installation.

Pressure containment

Treat the 34 bar nitrogen tip-to-case rating as a seal limit, not a vessel rating.

Tubing attachment

Do not loosen the factory tubing fitting on the sealed probe case.

Matched chain

Use the 3300 XL 8 mm extension and Proximitor for the selected total length.

After installation

Record connector position, seal inspection, static gap and channel trend.

Buyer information

Send the exact complete marking, application, quantity and required delivery destination. Confirm the offered condition and included items in the written quotation; shipment details are established with the order.

Lifecycle and available-unit details

The current manufacturer lifecycle phase for this exact complete ordering identity is not established here. Review the installed machine configuration before a replacement decision.

The offered unit is New, original product. Request available label and connector photographs for comparison with the installed part before approving the supply scope.

Engineering questions

Can the connector end of 100630-00-43-05-01 be immersed with the probe case?	No. The body and protected cable route are designed for fluid exposure, but the connector end is not liquid-sealed and must remain dry.
What pressure boundary must be checked for 100630-00-43-05-01 before installation?	The tip-to-case interface is rated to seal 34 bar nitrogen. Confirm actual process pressure, fluid compatibility and the machine mounting seal separately.
Why is salt-water exposure a problem for 100630-00-43-05-01?	The standard case is AISI 304 stainless steel, which the manufacturer excludes for salt-water duty. Obtain an approved alternative configuration for that environment.

What happens if 100630-00-43-05-01 is paired with an 11 mm underwater Proximitor?	The underwater probe families use different calibrated sensor chains. Match the 100630 8 mm probe with its 8 mm extension and Proximitor instead.
How should the tubing connection on 100630-00-43-05-01 be handled during service?	Keep the factory tubing fitting intact; loosening it can compromise the protected route. Inspect the external seal and tubing condition without disturbing the factory joint.
What could cause a shifted reading from 100630-00-43-05-01 without a probe fault?	Target alloy, adjacent metal, gap, fluid-related connector contamination and a mismatched extension can each change the system response. Isolate these causes before condemning the probe.
Where should the connector protector of 100630-00-43-05-01 be located?	Place the protected ClickLoc joint outside the submerged zone in a maintainable location, and check that liquid cannot migrate into the mating surfaces.
Which measurements should be recorded after commissioning 100630-00-43-05-01?	Record the complete order code, extension and Proximitor markings, observed gap voltage, process medium, connector location and operating signal baseline.

Additional technical criteria

Pressure basis	The tip-to-case seal is rated to 34 bar nitrogen.
Case alloy	Standard wetted case is AISI 304 stainless steel.
Salt-water boundary	The standard case is not suitable for salt-water duty.
Tubing interface	Factory tubing fitting secures Tefzel protection to the probe case.
Connector boundary	The ClickLoc connector end must remain outside the submerged zone.
Probe environment	The published probe operating range is -51 to +177 deg C.
System matching	100630 is the 8 mm underwater family; 11 mm and 25 mm use different chains.
Commissioning record	Capture process medium, installed seal, connector location and observed response.

Technical basis

Bently Nevada 3300 XL Underwater Probes, 175852 Rev. G

Discuss the complete marking and installed application with Apter Power.
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