

Bently Nevada - 3300 XL 50 mm Proximity Transducer System**330876-01-90-00-05**

1/2-20 proximity probe with 900 cm high-temperature FluidLoc cable

Verified model data

Manufacturer	Bently Nevada
Exact catalog number	330876-01-90-00-05
Case option	01: 1/2-20 threaded case
Total probe length	90: 900 cm
Cable option	00: High-temperature FluidLoc cable, without armor
Approval option	05: Multiple approvals
System linear range	27.9 mm (1100 mil)
Nominal scale factor	0.394 V/mm (10 mV/mil)

Documented role

Provides the extended-range eddy-current measurement used primarily for large steam-turbine differential-expansion or rotor-expansion monitoring.

Selection and installation check

Use only matching 3300 XL 50 mm system components and verify system length, target geometry and material, mounting bracket, initial gap, cable routing and approval drawings.

APTER POWER

Bently Nevada - 3300 XL 50 mm Proximity Transducer System**330876-01-90-00-05****Additional verified data**

Recommended minimum flat target	10.2 cm diameter
Probe continuous temperature	Up to 200 deg C
Probe intermittent temperature	Up to 250 deg C
System power	-17.5 to -26 VDC without barriers; -23 to -26 VDC with barriers
Output resistance	50 Ohm
Maximum probe assembly diameter	6.22 cm

System matching

- Use only matching 3300 XL 50 mm probes, extension cables and Proximitors Sensors.
- Preserve the selected total electrical length and do not mix 50 mm system components with 8 mm or 11 mm systems.
- Use the specified target size and verified target material when checking scale and linearity.

Mounting and use

- Verify the straight-exit bracket, 1/2-20 thread arrangement, mechanical travel and initial cold gap.
- Route the high-temperature FluidLoc cable within its documented bend and environmental limits.
- The documented uses include differential-expansion and rotor-expansion measurement on large steam-turbine generators.

Evidence boundary: No exact-model complete-product Dimensions or net Weight was published for this 900 cm cable assembly; no value is inferred.

Source basis: Baker Hughes publication 174014 Rev. L.