1

01 Readiness and operating boundary

Reconcile the complete product marking, installed position and machine function before isolation.

Capture the installed identity

Confirm the 3300/50 system identity, probe style, thread, target geometry and measurement direction before work.

Complete product marking	3300/50
Product family	3300 XL 50 mm Proximity Transducer System
System components	50 mm probe, extension cable and 50 mm Proximitor Sensor

Prove the work boundary

Record the collar or ramp dimensions, probe positions, gap values and indicated expansion before removal.

Identity	3300/50
Host	3300 XL 50 mm Proximity Transducer System
Acceptance	Isolation and label record

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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3300/50

2

02 Configuration and interface setup

Convert the as-found record into a controlled map of power, signal, mechanical and configuration interfaces.

Build the channel map

Replace the probe, extension cable and Proximitor Sensor as one matched 3300 XL 50 mm chain.

Product family	3300 XL 50 mm Proximity Transducer System
System components	50 mm probe, extension cable and 50 mm Proximitor Sensor
Primary measurement	Differential expansion or rotor expansion

Classify every field circuit

Keep high-temperature FluidLoc cable, ClickLoc connectors and seals clean, dry and mechanically supported.

Identity	3300/50
Host	3300 XL 50 mm Proximity Transducer System
Acceptance	Channel map approved

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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3

03 Installation and service sequence

Install the exact hardware identity and rebuild each connection without changing the approved architecture.

Restore the physical assembly

Verify single-input or complementary-input geometry against the required differential-expansion range.

System components	50 mm probe, extension cable and 50 mm Proximitor Sensor
Primary measurement	Differential expansion or rotor expansion
Maximum linear range	27.9 mm (1100 mil)

Apply controlled settings

Set probe gaps by moving the transducer through the approved sliding-bracket travel where fitted.

Identity	3300/50
Host	3300 XL 50 mm Proximity Transducer System
Acceptance	Assembly and settings restored

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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4

04 Verification and fault isolation

Energize under controlled conditions and observe every available channel, device and system diagnostic.

Observe supervised states

Check scale factor and linearity across the controlled mechanical travel before enabling protection logic.

Primary measurement	Differential expansion or rotor expansion
Maximum linear range	27.9 mm (1100 mil)
Output scale factor	0.394 V/mm (10 mV/mil)

Exercise fault indications

Confirm channel direction, alarms, trip logic and recorded rotor-to-casing movement before service release.

Identity	3300/50
Host	3300 XL 50 mm Proximity Transducer System
Acceptance	Supervision response recorded

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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05 Acceptance and service handover

Release the equipment only after identity, installation, diagnostics and functional results are recorded together.

Compile the acceptance package

Retain the measured response and final configuration for extended-range differential and rotor expansion measurement.

Complete product marking	3300/50
Product family	3300 XL 50 mm Proximity Transducer System
System components	50 mm probe, extension cable and 50 mm Proximitor Sensor

Authorize the handover

Attach the as-left diagnostic state and named release owner to the maintenance handover.

Identity	3300/50
Host	3300 XL 50 mm Proximity Transducer System
Acceptance	Release evidence complete

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Bently Nevada 146054-14-10-02-00

Bently Nevada 146054-12-05-02-05

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