

102244-22-50-01

Proximity Transducer Assembly

CONTROLLED ENGINEERING COPY

Install 102244-22-50-01 only in the documented Bently Nevada proximity measurement system position and preserve the recorded connections. After installation, restore the approved configuration and complete controlled diagnostic and functional checks.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	102244-22-50-01
Manufacturer part	102244-22-50-01
Hardware type	102244-22-50-01
System family	Bently Nevada proximity measurement system



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01 PRE-INSTALLATION PLAN

1

Verify the complete 102244-22-50-01 marking and installed position before work.

2

Place the connected equipment in the approved maintenance state.

3

Isolate applicable power and signal energy before disconnecting wiring.

4

Use ESD controls and protect connectors from contamination or damage.

5

Record as-found cable, terminal, shield and grounding identity.

MATCHED HARDWARE

- Documented host position and companion hardware
- Approved field or control wiring arrangement
- Recorded connector, shield and grounding system
- Configured monitor, controller or protection channel

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	102244-22-50-01 / 102244-22-50-01 recorded
Physical interface	Documented host position and companion hardware
Companion check	Approved field or control wiring arrangement
Functional proof	Provides the documented Proximity Transducer Assembly function
Application test	Bently Nevada proximity measurement system installed-base service

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Complete catalog number	102244-22-50-01
Supply voltage	24.5 V DC
Supply current	20 mA
Scale factor	0.8 V/mm (20 mV/mil)
Temperature range	-35 to +100 degC
Reference drawing	123265
Calibration target	AISI 4140 steel

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	Documented host position and companion hardware
Companion hardware	Approved field or control wiring arrangement
Field connection	Recorded connector, shield and grounding system
Primary system function	Provides the documented Proximity Transducer Assembly function
Controlled acceptance duty	Bently Nevada proximity measurement system installed-base service

FIELD NOTE

Install 102244-22-50-01 only in the documented Bently Nevada proximity measurement system position and preserve the recorded connections. After installation, restore the approved configuration and complete controlled diagnostic and functional checks.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	102244-22-50-01 / 102244-22-50-01 recorded
Physical interface	Documented host position and companion hardware
Companion check	Approved field or control wiring arrangement
Functional proof	Provides the documented Proximity Transducer Assembly function
Application test	Bently Nevada proximity measurement system installed-base service

04 RETURN-TO-SERVICE RECORD

- ☐
- Restore only the approved system configuration for this exact catalog number.
- ☐
- Inspect mechanical mounting and cable support before energization.
- ☐
- Complete controlled diagnostics and a functional response test before release.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	102244-22-50-01
INSTALLED POSITION	Documented Bently Nevada proximity measurement system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330130-080-02-05	3300 XL extension cable	View 330130-080-02-05 page
330850-50-00	3300 XL NSv Proximitior Sensor	View 330850-50-00 page
330171-00-12-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-50-01-05 page
330171-00-12-05-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-12-05-01-05 page
330171-00-33-50-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-33-50-01-05 page
330171-00-08-10-01-05	3300 XL 5/8 mm proximity probe	View 330171-00-08-10-01-05 page
330172-00-08-10-01-05	3300 XL 5/8 mm armored proximity probe	View 330172-00-08-10-01-05 page
330103-00-04-10-02-00	3300 XL 8 mm metric proximity probe	View 330103-00-04-10-02-00 page

SOURCE IDENTIFIERS

Bently Nevada product nameplate and drawing record

Drawing 123265

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