

991-06-70-03-05

991 two-wire thrust transmitter

CONTROLLED ENGINEERING COPY

Confirm the complete 991-06-70-03-05 marking, MOD identity where present, matched 3300 NSv system length, mounting hardware, loop polarity and approved axial range; set zero and span only against the documented mechanical reference.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	991-06-70-03-05
Manufacturer part	991-06-70-03-05
Hardware type	991-06-70-03-05
System family	991 thrust transmitter system
HS code	8537101190



APTER POWER SALES TEAM

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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 991-06-70-03-05 marking and its assigned 991 thrust transmitter system position before work.
- 2

Place the connected turbine thrust-position monitoring process in the approved maintenance state.
- 3

Isolate applicable power and axial displacement converted to a 4–20 ma current-loop signal field energy before disconnecting conductors.
- 4

Record connector, conductor, address, firmware and software identities before removal.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- 3300 NSv probe
- matched extension cable and Proximity Sensor
- 12 to 35 VDC current loop
- PLC or DCS analog input

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	991-06-70-03-05 / 991-06-70-03-05 recorded
Physical interface	3300 NSv probe
Companion check	matched extension cable and Proximity Sensor
Functional proof	Accepts a matched 3300 NSv transducer signal
Application test	Turbine thrust-position monitoring

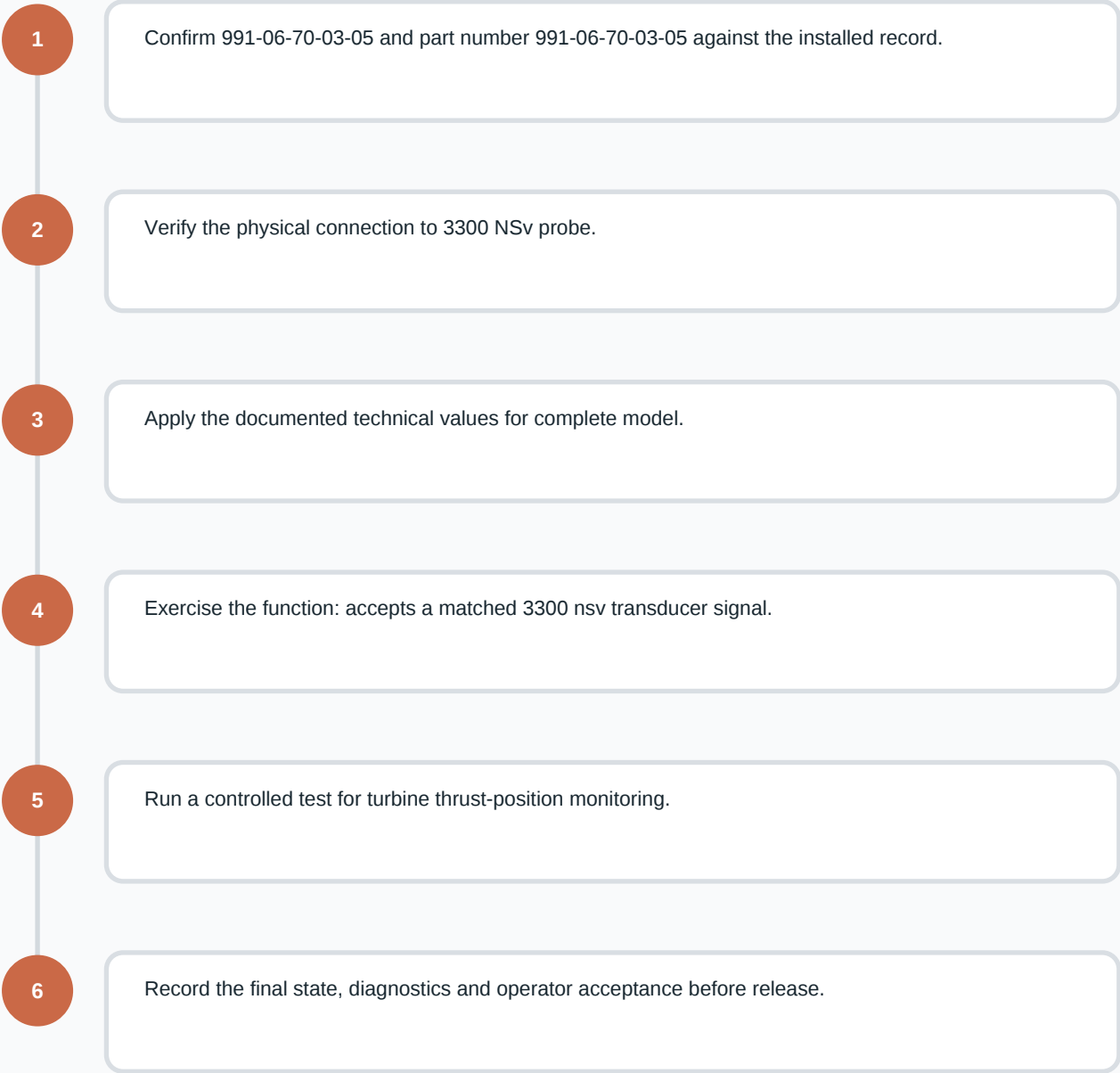
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Complete model	991-06-70-03-05
Full-scale range	0.6-0-0.6 mm
System length	7.0 m
Mounting	DIN clips and bulkhead screws
Agency approval	Multiple approvals
Transmitter type	2-wire, loop powered
Supply voltage	+12 to +35 V DC
Process output	4 to 20 mA
Input system	3300 NSv proximity transducer system
Loop accuracy	+/-1.5%
Buffered output	BNC Prox Out
Buffered output impedance	10 kohm for 10 Mohm load
Not OK current	Below 3.6 mA
Not OK response	Within 100 us

FIELD NOTE

Confirm the complete 991-06-70-03-05 marking, MOD identity where present, matched 3300 NSv system length, mounting hardware, loop polarity and approved axial range; set zero and span only against the documented mechanical reference.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	991-06-70-03-05 / 991-06-70-03-05 recorded
Physical interface	3300 NSv probe
Companion check	matched extension cable and Proximity Sensor
Functional proof	Accepts a matched 3300 NSv transducer signal
Application test	Turbine thrust-position monitoring

04 RETURN-TO-SERVICE RECORD

- ☐ Confirm the installed 3300 NSv probe and matched extension cable and Proximity Sensor against the approved project.
- ☐ Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐ Prove the intended compressor axial-displacement trending function and retain the final test result.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	991-06-70-03-05
INSTALLED POSITION	Documented 991 thrust transmitter 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
Bently Nevada 330909 00 60 10 01 05	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330909 00 60 10 01 05 page
Bently Nevada 330103 00 06 50 02 00	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330103 00 06 50 02 00 page
Bently Nevada 330101 37 57 10 02 05	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330101 37 57 10 02 05 page
Bently Nevada 24765 01 00	Related Bently Nevada machinery-monitoring product	View Bently Nevada 24765 01 00 page
Bently Nevada 129716 XXX 037 15 05	Related Bently Nevada machinery-monitoring product	View Bently Nevada 129716 XXX 037 15 05 page
Bently Nevada 149844 01	Related Bently Nevada machinery-monitoring product	View Bently Nevada 149844 01 page
Bently Nevada TK 3E 177313 02 01	Related Bently Nevada machinery-monitoring product	View Bently Nevada TK 3E 177313 02 01 page
Bently Nevada 330500 04 00	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330500 04 00 page

SOURCE IDENTIFIERS

Bently Nevada 991 Thrust Transmitter Datasheet
141618 Rev. R

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