

APTER POWER FIELD WORKBOOK

INSTALLATION | APPLICATION | VERIFICATION

991-01-XX-01-00 MOD: 288865-01

991 two-wire thrust transmitter

CONTROLLED ENGINEERING COPY

Confirm the complete 991-01-XX-01-00 MOD: 288865-01 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	991-01-XX-01-00 MOD: 288865-01
Manufacturer part	991-01-XX-01-00 MOD: 288865-01
Hardware type	991-01-XX-01-00 MOD: 288865-01
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 991-01-XX-01-00 MOD: 288865-01 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	991-01-XX-01-00 MOD: 288865-01 / 991-01-XX-01-00 MOD: 288865-01 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	991-01-XX-01-00 MOD: 288865-01
MOD identity	288865-01
Mounting option	DIN-rail clip
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
Recovery time	Within 0.1 s
Humidity	Up to 100%, condensing

FIELD NOTE

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03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	991-01-XX-01-00 MOD: 288865-01 / 991-01-XX-01-00 MOD: 288865-01 recorded
Physical interface	3300 NSv probe
Companion check	matched extension cable and Proximitior 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 Proximitor 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

991-01-XX-01-00 MOD: 288865-01

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 21000 16 10 00 098 03 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 16 10 00 098 03 02 page
Bently Nevada 330195 02 12 10 00	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330195 02 12 10 00 page
Bently Nevada 330876 03 10 00 00	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330876 03 10 00 00 page
Bently Nevada 330103 00 07 05 01 05	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330103 00 07 05 01 05 page
Bently Nevada 32000 28 05 08 080 03 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 32000 28 05 08 080 03 02 page
Bently Nevada 31000 16 10 00 050 03 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 31000 16 10 00 050 03 02 page
Bently Nevada 21000 34 10 20 062 04 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 34 10 20 062 04 02 page
Bently Nevada 21000 34 10 00 071 04 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 34 10 00 071 04 02 page

SOURCE IDENTIFIERS

Bently Nevada 991 Thrust Transmitter Datasheet
141618 Rev. R

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