

INDUSTRIAL AUTOMATION PRODUCT

991-01-XX-01-05 MOD:284318-01

991 two-wire thrust transmitter

Axial displacement converted to a 4 to 20 mA loop signal

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
System family	991 thrust transmitter system
Part number	991-01-XX-01-05 MOD:284318-01

APTER POWER SALES TEAM

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Technical Specifications

Technical values below are limited to the named Bently Nevada product record.

PARAMETER	TECHNICAL VALUE
Complete model	991-01-XX-01-05 MOD:284318-01
Manufacturer	Bently Nevada
Product family	991 thrust transmitter system
Full-scale option	01; verify modified range documentation
System-length code	XX; modified configuration
Mounting	35 mm DIN rail clips
Agency approval	Multiple approvals
MOD identity	284318-01
Supply	+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

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System Role and Architecture

Axial displacement converted to a 4 to 20 mA loop signal

FUNCTION 1

Provides a two-wire 4 to 20 mA thrust output

FUNCTION 2

Accepts a matched NSv transducer system

FUNCTION 3

Mounts on 35 mm DIN rail clips

FUNCTION 4

Retains MOD 284318-01

Matched system components

- 991 thrust transmitter system
- documented companion hardware
- approved field wiring or cabling
- monitoring-system configuration record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	991 thrust transmitter system
Companion hardware	documented companion hardware
Field connection	approved field wiring or cabling
Primary system function	Provides a two-wire 4 to 20 mA thrust output
Controlled acceptance duty	Continuous machinery monitoring

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Applications and Engineering Context

Continuous machinery monitoring

Provides a two-wire 4 to 20 mA thrust output

Alarm integration

Accepts a matched NSv transducer system

Diagnostic review

Mounts on 35 mm DIN rail clips

Documented system renewal

Retains MOD 284318-01

TECHNICAL NOTE

Retain suffix 05 and MOD 284318-01 exactly; match the installed NSv system, loop wiring and configured thrust range before replacement.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	991-01-XX-01-05 MOD:284318-01 / 991-01-XX-01-05 MOD:284318-01 recorded
Physical interface	991 thrust transmitter system
Companion check	documented companion hardware
Functional proof	Provides a two-wire 4 to 20 mA thrust output
Application test	Continuous machinery monitoring

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Engineering Precautions

- 1 Verify the complete 991-01-XX-01-05 MOD:284318-01 marking and the assigned 991 thrust transmitter system position before work.
- 2 Place the connected machinery and monitoring channel in the approved maintenance state before handling 991-01-XX-01-05 MOD:284318-01.
- 3 Isolate every documented supply and field circuit before disconnecting 991-01-XX-01-05 MOD:284318-01.
- 4 Record the installed connectors, conductors, cable routing and configuration associated with 991-01-XX-01-05 MOD:284318-01.
- 5 Use ESD controls and protect exposed connectors, cable ends and keyed interfaces while handling 991-01-XX-01-05 MOD:284318-01.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 21000 00 00 00 41 04 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 00 00 00 41 04 02 page
Bently Nevada 21000 16 10 00 054 04 02	Related Bently Nevada machinery-monitoring product	View Bently Nevada 21000 16 10 00 054 04 02 page
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Bently Nevada 330104 00 10 05 12 05	Related Bently Nevada machinery-monitoring product	View Bently Nevada 330104 00 10 05 12 05 page
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MANUFACTURER SOURCE RECORD

991 Thrust Transmitter Datasheet

141618 Rev. R

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