

991-01-XX-01-00 MOD:284318-01

Thrust Transmitter

It is a two-wire loop-powered 991 thrust transmitter carrying MOD:284318-01 and the supplied 01 range code; legacy/custom boundary identity.

Manufacturer	Bently Nevada
Product family	991 thrust transmitter and 3300 NSv transducer system
Complete model	991-01-XX-01-00 MOD:284318-01
Source record	141618 Rev. R

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 330194-05-13-50-05	OPEN
02	Bently Nevada 330194-05-13-10-05	OPEN
03	Bently Nevada 330194-00-07-10-05	OPEN
04	Bently Nevada 330180-X1-05-145004-64	OPEN
05	Bently Nevada 330906-02-12-10-12-05	OPEN
06	Bently Nevada 330907-05-30-10-12	OPEN

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Exact-model technical record

Complete model	991-01-XX-01-00 MOD:284318-01	Approval option	None
Manufacturer	Bently Nevada	Supply voltage	+12 to +35 V DC
Product family	991 thrust transmitter and 3300 NSv transducer	Process output	4 to 20 mA axial displacement
Transmitter type	2-wire, loop powered	Loop accuracy	+/-1.5%
Modification identity	284318-01	Maximum load	1,000 ohm at 35 V DC
Supplied range code	01 range code; legacy/custom boundary	Current limit	23 mA typical
System-length code	XX; verify installed 3300 NSv system	Not OK current	Below 3.6 mA
Mounting option	35 mm DIN clips	Buffered output	Non-isolated Prox Out

OFFICIAL SOURCE COVERAGE

Source 1	991 Thrust Transmitter Datasheet — Ordering Information, 141618 Rev. R
Source 2	991 Thrust Transmitter Datasheet — Specifications, 141618 Rev. R
Source 3	991 Thrust Transmitter Datasheet — Description and ordering notes, 141618 Rev. R

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System role and applications

Thrust-position monitoring

Converts axial displacement into a plant current-loop signal.

DCS displacement trending

Publishes a continuous 4–20 mA variable for historian and alarm use.

Buffered waveform review

Provides Prox Out access for controlled gap and signal checks.

Modified transmitter renewal

Preserves MOD:284318-01 and the installed mechanical reference.

ENGINEERING BOUNDARY

The supplied 01 range code; legacy/custom boundary and XX codes are not fully decoded by the current standard table. Verify 991-01-XX-01-00 MOD:284318-01, MOD:284318-01, the matched NSv system length, mechanical zero and loop scaling before service.

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 330194-05-13-50-05	OPEN
02	Bently Nevada 330194-05-13-10-05	OPEN
03	Bently Nevada 330194-00-07-10-05	OPEN
04	Bently Nevada 330180-X1-05-145004-64	OPEN

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Model-specific engineering questions

Q1. How does Bently Nevada 991-01-XX-01-00 MOD:284318-01 transmit axial displacement?

The two-wire 991 converts the matched 3300 NSv transducer signal into a 4-20 mA loop proportional to axial position.

Q2. Why is MOD:284318-01 inseparable from the 991-01 identity?

That modification marks a controlled build; retain it with the complete catalog string instead of selecting a standard 991 by base number.

Q3. How should the XX system-length position be resolved for Bently Nevada 991-01-XX-01-00 MOD:284318-01?

Determine whether the installed NSv chain is 5 m or 7 m from the nameplate and loop record; XX is not assigned a length here.

Q4. What supply should be measured across the 991-01 transmitter loop?

The transmitter operates from +12 to +35 Vdc, with the receiving input and loop resistance included in the voltage budget.

SOURCE IDENTIFIER

141618 Rev. R

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Acceptance reference and related products

Q5. What accuracy limit belongs in the acceptance record for the 991-01 loop?

Use +/-1.5% loop accuracy under the specified conditions when comparing mechanical position with the 4-20 mA output.

Q6. When should Prox Out be used on Bently Nevada 991-01-XX-01-00 MOD:284318-01?

Use the non-isolated buffered output for controlled waveform and gap checks with high-impedance equipment, not as a second process output.

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 330906-02-12-10-12-05	OPEN
02	Bently Nevada 330907-05-30-10-12	OPEN
03	Bently Nevada 330171-00-10-10-02-05	OPEN
04	Bently Nevada 330171-12-41-10-02-05	OPEN
05	Bently Nevada 330101-12-28-10-02-00	OPEN
06	Bently Nevada 330104-00-20-10-02-05	OPEN
07	Bently Nevada 330101-08-20-10-02-05	OPEN
08	Bently Nevada 330102-00-40-05-01-00	OPEN
09	Bently Nevada 330904-00-12-05-02-05	OPEN
10	Bently Nevada 330101-00-53-10-12-05	OPEN
11	Bently Nevada 21505-00-28-05-02	OPEN
12	Bently Nevada 3500-15-106M2686-00	OPEN

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