

991-06-XX-01-00 MOD:169955-01

Thrust Transmitter

It is a two-wire loop-powered 991 thrust transmitter carrying MOD:169955-01 and the supplied 06 range code (0.6-0-0.6 mm) identity.

Manufacturer	Bently Nevada
Product family	991 thrust transmitter and 3300 NSv transducer system
Complete model	991-06-XX-01-00 MOD:169955-01
Source record	141618 Rev. R

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 21504-000-032-10-02	OPEN
02	Bently Nevada 21504-000-020-10-02	OPEN
03	Bently Nevada 330910-00-16-10-02-00	OPEN
04	Bently Nevada 330910-00-16-10-01-00	OPEN
05	Bently Nevada 330910-00-09-10-01-00	OPEN
06	Bently Nevada 330930-060-04-00	OPEN

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Exact-model technical record

Complete model	991-06-XX-01-00 MOD:169955-01	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	169955-01	Maximum load	1,000 ohm at 35 V DC
Supplied range code	06 range code (0.6-0-0.6 mm)	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:169955-01 and the installed mechanical reference.

ENGINEERING BOUNDARY

The supplied 06 range code (0.6-0-0.6 mm) and XX codes are not fully decoded by the current standard table. Verify 991-06-XX-01-00 MOD:169955-01, MOD:169955-01, the matched NSv system length, mechanical zero and loop scaling before service.

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 21504-000-032-10-02	OPEN
02	Bently Nevada 21504-000-020-10-02	OPEN
03	Bently Nevada 330910-00-16-10-02-00	OPEN
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Model-specific engineering questions

Q1. What displacement range is associated with the 06 code in Bently Nevada 991-06-XX-01-00 MOD:169955-01?

The 06 range code represents 0.6-0-0.6 mm around the mechanical center used for the thrust measurement.

Q2. How does MOD:169955-01 affect replacement of the 991-06 transmitter?

Keep the modification number, range code, and full catalog string together; a visually similar standard transmitter is not an automatic substitute.

Q3. Which NSv length must be confirmed when the 991-06 catalog string contains XX?

Use the installed records to identify the matched 5 m or 7 m probe-and-cable system before connecting the transmitter.

Q4. How should the +12 to +35 Vdc supply be checked on Bently Nevada 991-06-XX-01-00 MOD:169955-01?

Measure the voltage at the transmitter under load and confirm the complete loop remains inside the supply and resistance limits.

SOURCE IDENTIFIER

141618 Rev. R

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Acceptance reference and related products

Q5. What 4-20 mA behavior should follow the 0.6-0-0.6 mm range?

The current must track the configured axial displacement about the mechanical reference without reversing direction or clipping at either endpoint.

Q6. Which field observation can be made through the buffered Prox Out?

A high-impedance instrument can inspect gap and waveform quality while the process loop remains assigned to the control system.

RELATED PRODUCTS ON APTER POWER

01	Bently Nevada 330910-00-09-10-01-00	OPEN
02	Bently Nevada 330930-060-04-00	OPEN
03	Bently Nevada 24701-28-05-15-026-03-02	OPEN
04	Bently Nevada 21504-000-020-05-02	OPEN
05	Bently Nevada 32000-28-05-05-060-00-02	OPEN
06	Bently Nevada 330102-00-20-05-02-00	OPEN
07	Bently Nevada 330905-00-09-10-02-00	OPEN
08	Bently Nevada 330104-00-06-05-01-00	OPEN
09	Bently Nevada 330104-09-18-05-01-05	OPEN
10	Bently Nevada 330104-07-14-05-01-05	OPEN
11	Bently Nevada 330104-08-15-05-01-05	OPEN
12	Bently Nevada 330104-04-12-05-01-05	OPEN

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