

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

991 Thrust Transmitter

Bently Nevada 991-01-XX-01-01 MOD:284318-01 is a loop-powered 991 thrust transmitter that converts a compatible NSv proximity input to a proportional 4 to 20 mA axial-displacement signal. Its 01, XX and MOD blocks remain nameplate-controlled.

BRAND	Bently Nevada	MODEL	991-01-XX-01-01 MOD:284318-01
PRODUCT	991 Thrust Transmitter	FAMILY	Industrial automation
OFFICIAL SOURCE	Bently Nevada 991 Thrust Transmitter Datasheet	RECORD	Baker Hughes / Bently Nevada publication 141618 Rev. R

DOCUMENT SCOPE

Official technical evidence, controlled engineering checks, model-specific FAQ and related product navigation.

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WHATSAPP / PHONE +86 180 3023 5313
 EMAIL sales13@apterpower.com
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991-01-XX-01-01 MOD:28431...

Product Overview and Applications

SYSTEM FUNCTION

Bently Nevada 991-01-XX-01-01 MOD:284318-01 is a loop-powered 991 thrust transmitter that converts a compatible NSv proximity input to a proportional 4 to 20 mA axial-displacement signal. Its 01, XX and MOD blocks remain nameplate-controlled.

FUNCTION 1

Two-wire loop-powered thrust transmitter

FUNCTION 2

Proportional 4 to 20 mA output

FUNCTION 3

Dynamic and gap outputs

FUNCTION 4

DIN mounting with CSA Division 2 option

APPLICATION	ENGINEERING CONTEXT
Axial position trending	Provides a proportional thrust-position signal to a control or monitoring system.
Compact thrust loops	Uses an integrated NSv Proximitor interface in a field transmitter.
Diagnostic access	Provides dynamic and gap outputs for controlled verification.
Legacy loop replacement	Preserves the documented custom identity and approval marking.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE
Complete model	991-01-XX-01-01 MOD:284318-01
Transmitter family	991 thrust transmitter
Input	Compatible NSv proximity transducer system
Primary output	4 to 20 mA proportional axial displacement
Additional outputs	Dynamic and gap outputs
Leading range block	01 retained; not decoded in current public table
System block	XX retained; resolve from supplied marking
Mounting option	01 = DIN-rail clips
Approval option	01 = CSA Division 2
MOD identity	284318-01; not decoded in publication 141618
Loop power	17 to 35 Vdc
Configuration controls	Zero, span and variable DC test input

Acceptance Path

1 IDENTITY

The complete 991-01-XX-01-01 MOD:284318-01 marking and revision agree with the engineering record.

2 COMPATIBILITY

System position, companion hardware and interfaces match the manufacturer documentation.

3 CONFIGURATION

Saved values, channel mappings and protection limits are restored without unexplained change.

4 FUNCTIONAL PROOF

Diagnostics and the model-specific controlled test pass without unexplained fault.

Precautions and Model-Specific FAQ

NO.	PRECAUTION	QUESTION	ANSWER
1	Verify the complete 991-01-XX-01-01 MOD:284318-01 marking.	What is Bently Nevada 991-01-XX-01-01 MOD:284318-01?	It is a two-wire, loop-powered 991 thrust transmitter with an integrated NSv Proximitor interface.
2	Retain the leading 01 and XX blocks without interpretation.		
3	Retain MOD 284318-01 without interpretation.	How should the 01 range block be handled for Bently Nevada 991-01-XX-01-01 MOD:284318-01?	Retain the supplied 01 block; the current public standard table lists different range codes and does not decode 01.
4	Use only a compatible NSv probe system.		
5	Confirm loop polarity before energizing.	How should XX be handled for Bently Nevada 991-01-XX-01-01 MOD:284318-01?	Retain XX exactly and resolve the system configuration from the physical nameplate and controlled order record.
6	Set zero and span only with the approved procedure.		
7	Verify the CSA Division 2 marking against site requirements.	Which mounting option applies to Bently Nevada 991-01-XX-01-01 MOD:284318-01?	The later 01 block specifies DIN-rail mounting clips in the standard ordering table.
8	Prove the 4 to 20 mA, dynamic, gap and inhibit behavior before release.		

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 330101-15-40-10-02-00	View Bently Nevada 330101-15-40-10-02-00
Bently Nevada 330101-16-40-05-01-05	View Bently Nevada 330101-16-40-05-01-05
Bently Nevada 330101-20-36-10-02-00	View Bently Nevada 330101-20-36-10-02-00
Bently Nevada 330101-20-45-05-02-05	View Bently Nevada 330101-20-45-05-02-05
Bently Nevada 330101-30-63-15-02-CN	View Bently Nevada 330101-30-63-15-02-CN
Bently Nevada 330101-32-57-05-01-05	View Bently Nevada 330101-32-57-05-01-05

FAQ, Related Products and Sources

QUESTION	ANSWER
Which approval applies to Bently Nevada 991-01-XX-01-01 MOD:284318-01?	The final 01 block identifies the CSA Division 2 approval option in the standard table.
What output does Bently Nevada 991-01-XX-01-01 MOD:284318-01 provide?	It provides a proportional 4 to 20 mA axial-displacement signal plus dynamic and gap outputs.
How should MOD 284318-01 be handled on Bently Nevada 991-01-XX-01-01 MOD:284318-01?	Publication 141618 does not decode this MOD, so retain it as a controlled nameplate identity.
What confirms commissioning of Bently Nevada 991-01-XX-01-01 MOD:284318-01?	Verify the complete marking, NSv input, loop power, zero and span, dynamic and gap outputs, power-up inhibit and final channel response.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 330101-35-62-10-01-05	View Bently Nevada 330101-35-62-10-01-05
Bently Nevada 330101-37-57-10-02-05	View Bently Nevada 330101-37-57-10-02-05
Bently Nevada 330101-48-71-20-02-CN	View Bently Nevada 330101-48-71-20-02-CN
Bently Nevada 330101-51-82-10-01-05	View Bently Nevada 330101-51-82-10-01-05
Bently Nevada 330101-55-75-10-02-00	View Bently Nevada 330101-55-75-10-02-00
Bently Nevada 330901-00-08-05-11-05	View Bently Nevada 330901-00-08-05-11-05

MANUFACTURER SOURCE RECORDS

Bently Nevada 991 Thrust Transmitter Datasheet - Baker Hughes / Bently Nevada publication 141618 Rev. R

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