

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.

| IDENTITY       | VERIFIED VALUE                                         |
|----------------|--------------------------------------------------------|
| Manufacturer   | Bently Nevada                                          |
| Complete model | 991-01-XX-01-01 MOD:284318-01                          |
| Product role   | 991 Thrust Transmitter                                 |
| System family  | Industrial automation                                  |
| Source record  | Baker Hughes / Bently Nevada publication 141618 Rev. R |

DOCUMENT SCOPE

Model identity, official technical data, model-specific applications, precautions, FAQ and controlled acceptance records.

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# Technical Specifications

| 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            |

## ENGINEERING BOUNDARY

Publication 141618 defines the 991 family, DIN mounting, CSA Division 2 option and output behavior but does not decode the supplied leading 01, XX or MOD 284318-01. Preserve the full identity and verify the installed NSv chain before substitution.

## Related Products on Apter Power

| MODEL                                  | APTER POWER PAGE                                         |
|----------------------------------------|----------------------------------------------------------|
| Bently Nevada<br>330101-00-65-10-02-05 | <a href="#">View Bently Nevada 330101-00-65-10-02-05</a> |
| Bently Nevada<br>330101-00-66-10-02-CN | <a href="#">View Bently Nevada 330101-00-66-10-02-CN</a> |
| Bently Nevada<br>330101-00-66-20-02-CN | <a href="#">View Bently Nevada 330101-00-66-20-02-CN</a> |
| Bently Nevada<br>330101-00-67-20-02-CN | <a href="#">View Bently Nevada 330101-00-67-20-02-CN</a> |

# System Role and Common Applications

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.                    |

**ACCEPTANCE DUTY**  
Confirm identity, interface, companion hardware, configured values and controlled functional response before release.

# Engineering Precautions and FAQ

| NO. | PRECAUTION                                                              |
|-----|-------------------------------------------------------------------------|
| 1   | Verify the complete 991-01-XX-01-01 MOD:284318-01 marking.              |
| 2   | Retain the leading 01 and XX blocks without interpretation.             |
| 3   | Retain MOD 284318-01 without interpretation.                            |
| 4   | Use only a compatible NSv probe system.                                 |
| 5   | Confirm loop polarity before energizing.                                |
| 6   | Set zero and span only with the approved procedure.                     |
| 7   | Verify the CSA Division 2 marking against site requirements.            |
| 8   | Prove the 4 to 20 mA, dynamic, gap and inhibit behavior before release. |

| QUESTION                                                                                  | ANSWER                                                                                                              |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| 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.                  |
| 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. |
| 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.     |
| 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.                                |

## Related Products on Apter Power

| MODEL                                  | APTER POWER PAGE                                         |
|----------------------------------------|----------------------------------------------------------|
| Bently Nevada<br>330101-00-70-10-02-05 | <a href="#">View Bently Nevada 330101-00-70-10-02-05</a> |
| Bently Nevada<br>330101-00-70-10-02-CN | <a href="#">View Bently Nevada 330101-00-70-10-02-CN</a> |
| Bently Nevada<br>330101-00-72-20-02-CN | <a href="#">View Bently Nevada 330101-00-72-20-02-CN</a> |
| Bently Nevada<br>330101-00-75-20-02-CN | <a href="#">View Bently Nevada 330101-00-75-20-02-CN</a> |
| Bently Nevada<br>330101-00-77-15-02-CN | <a href="#">View Bently Nevada 330101-00-77-15-02-CN</a> |

# FAQ, Related Products and Official 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. |

| MODEL                                  | APTER POWER PAGE                                         |
|----------------------------------------|----------------------------------------------------------|
| Bently Nevada<br>330101-00-77-20-02-CN | <a href="#">View Bently Nevada 330101-00-77-20-02-CN</a> |
| Bently Nevada<br>330101-00-84-20-02-CN | <a href="#">View Bently Nevada 330101-00-84-20-02-CN</a> |
| Bently Nevada<br>330101-00-96-20-02-CN | <a href="#">View Bently Nevada 330101-00-96-20-02-CN</a> |

## MANUFACTURER SOURCE RECORDS

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

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991-01-XX-01-01 MOD:28431...