

990-04-XX-01-00 MOD:147202-01

990 Vibration Transmitter

Bently Nevada 990-04-XX-01-00 MOD:147202-01 is a loop-powered 990 vibration transmitter that converts a compatible NSv proximity input to a proportional 4 to 20 mA signal. It retains the supplied XX and MOD identity for controlled matching.

IDENTITY	VERIFIED VALUE
Manufacturer	Bently Nevada
Complete model	990-04-XX-01-00 MOD:147202-01
Product role	990 Vibration Transmitter
System family	Industrial automation
Source record	Baker Hughes / Bently Nevada publication 141612 Rev. Y

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	990-04-XX-01-00 MOD:147202-01
Transmitter family	990 vibration transmitter
Input	Compatible NSv proximity transducer system
Primary output	4 to 20 mA proportional vibration signal
Dynamic output	PROX OUT and COM terminals
Published range option	0 to 4 mil peak-to-peak
System block	XX retained; resolve from supplied marking
Mounting option	01 = DIN-rail clips
Approval option	00 = agency approval not required
MOD identity	147202-01; not decoded in publication 141612
Loop power	17 to 35 Vdc
Configuration controls	Zero, span and test input

ENGINEERING BOUNDARY

Publication 141612 defines the 990 family, 0 to 4 mil peak-to-peak range, DIN mounting and no-approval options but does not decode XX or MOD 147202-01. Preserve the full nameplate and verify the installed NSv probe chain before substitution.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 24701-34-05-00-043-03-02	View Bently Nevada 24701-34-05-00-043-03-02
Bently Nevada 24701-34-05-30-028-04-02-409742	View Bently Nevada 24701-34-05-30-028-04-02-409742
Bently Nevada 24701-34-05-30-036-04-02	View Bently Nevada 24701-34-05-30-036-04-02
Bently Nevada 21000-28-05-00-030-04-02	View Bently Nevada 21000-28-05-00-030-04-02

System Role and Common Applications

Bently Nevada 990-04-XX-01-00 MOD:147202-01 is a loop-powered 990 vibration transmitter that converts a compatible NSv proximity input to a proportional 4 to 20 mA signal. It retains the supplied XX and MOD identity for controlled matching.

FUNCTION 1
Two-wire loop-powered transmitter

FUNCTION 2
Proportional 4 to 20 mA output

FUNCTION 3
Dynamic PROX OUT connection

FUNCTION 4
DIN-rail mounting option

APPLICATION	ENGINEERING CONTEXT
Machine vibration trending	Provides a proportional vibration signal to a control or monitoring system.
Compact protection loops	Uses an integrated NSv Proximitor interface in a field transmitter.
Dynamic diagnostics	Provides a buffered dynamic signal for controlled diagnostic use.
Legacy loop replacement	Preserves the documented 990 range, mounting and custom identity.

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 990-04-XX-01-00 MOD:147202-01 marking.
2	Resolve the XX block from the physical nameplate.
3	Retain MOD 147202-01 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	Check PROX OUT and COM wiring before diagnostics.
8	Verify 4 to 20 mA scaling and signal-defeat behavior before release.

QUESTION	ANSWER
What is Bently Nevada 990-04-XX-01-00 MOD:147202-01?	It is a two-wire, loop-powered 990 vibration transmitter with an integrated NSv Proximitor interface.
Which vibration range applies to Bently Nevada 990-04-XX-01-00 MOD:147202-01?	The first order block identifies the published 0 to 4 mil peak-to-peak proportional vibration range.
How should XX be handled for Bently Nevada 990-04-XX-01-00 MOD:147202-01?	Retain XX exactly and resolve the associated system configuration from the physical nameplate and controlled order record.
Which mounting option applies to Bently Nevada 990-04-XX-01-00 MOD:147202-01?	Option 01 specifies DIN-rail mounting clips.

Related Products on Apter Power

MODEL	APTER POWER PAGE
Bently Nevada 21000-28-05-00-035-01-02	View Bently Nevada 21000-28-05-00-035-01-02
Bently Nevada 21000-28-05-00-056-04-02	View Bently Nevada 21000-28-05-00-056-04-02
Bently Nevada 21000-28-10-00-244-04-02	View Bently Nevada 21000-28-10-00-244-04-02
Bently Nevada 21500-00-12-10-02	View Bently Nevada 21500-00-12-10-02
Bently Nevada 21500-00-32-05-02	View Bently Nevada 21500-00-32-05-02

FAQ, Related Products and Official Sources

QUESTION	ANSWER
Which approval option applies to Bently Nevada 990-04-XX-01-00 MOD:147202-01?	The final 00 block specifies that agency approval is not required in the standard ordering table.
What output does Bently Nevada 990-04-XX-01-00 MOD:147202-01 provide?	It provides a proportional 4 to 20 mA vibration signal plus dynamic PROX OUT and COM terminals.
How should the MOD identity on Bently Nevada 990-04-XX-01-00 MOD:147202-01 be handled?	MOD 147202-01 is not decoded in publication 141612 and must remain a controlled nameplate identity.
What confirms commissioning of Bently Nevada 990-04-XX-01-00 MOD:147202-01?	Verify the complete marking, loop power, NSv input, zero and span, dynamic output, signal-defeat behavior and final monitor response.

MODEL	APTER POWER PAGE
Bently Nevada 21501-00-16-05-02	View Bently Nevada 21501-00-16-05-02
Bently Nevada 21504-00-08-10-02	View Bently Nevada 21504-00-08-10-02
Bently Nevada 21504-00-20-10-02	View Bently Nevada 21504-00-20-10-02

MANUFACTURER SOURCE RECORDS

Bently Nevada 990 Vibration Transmitter Datasheet - Baker Hughes / Bently Nevada publication 141612 Rev. Y

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