Bently Nevada 990-05-XX-03-CN 104M6732-01

COMPLETE PRODUCT INFORMATION

Bently Nevada 990-05-XX-03-CN 104M6732-01 belongs to the 990 vibration-transmitter family, which supplies an overall-vibration signal to a machinery controller. The supplied series reference does not resolve the special calibration, XX system length or CN approval execution.

Complete identity and code references

990	Vibration transmitter family
05	Standard ordering-table meaning: 0-5 mil peak-to-peak
XX	System-length placeholder; numerical value not supplied
03	Standard ordering-table meaning: DIN clips and bulkhead screws
CN / 104M6732-01	Retained exactly; special approval and identifier not decoded

System relationship

Installed probe + cable	**990-series transmitter**	**Machinery controller**
Exact combination requires confirmation	Signal conditioning and current loop	Scaling, trending and alarm logic

Compressor control integration

Use 990-family reference data when reviewing an OEM centrifugal-compressor vibration loop, then reconcile the 104M6732-01 configuration with the installed sensing chain.

Pump-channel service

Review the current-loop and target-response checks separately during service of a small-pump channel specified for this complete execution.

Motor or fan vibration trends

Support an OEM overall-vibration trend input where the machine documents define this transmitter, its companion transducer and controller scale.

Instrumented troubleshooting

Use the separate diagnostic interface with suitable isolation when investigating a channel; record the connected instrument and its loading.

Important Notice

The supplied 141612 Rev. Y datasheet is a series reference. It does not identify 104M6732-01 or resolve XX and CN for this execution. Standard ordering meanings and series ratings do not independently confirm special-execution calibration, component compatibility or certification.

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com

Two-wire loop reference

Supply at Transmitter	+12 to +35 VDC; approval-specific circuit limits also apply
Process Output	4-20 mADC, two-wire, proportional to configured full scale
Loop Accuracy	Within +/-1.5% of full scale, TEST input to a 250-ohm loop
Loop Accuracy Boundary	Additional to PROX OUT incremental scale-factor error
Maximum Loop Resistance	1000 ohm including cable at 35 VDC
Current Limiting	23 mA typical

Defined accuracy path

The loop-accuracy test uses the TEST input and a 250-ohm loop load. Additional PROX OUT scale-factor error is separate. Keep that electronic-loop result distinct from the overall error of the installed probe, target and special calibration.

Status behavior reference

Not OK Output	Below 3.6 mA within 100 us after a Not OK condition
Not OK Recovery	2-3 seconds after the fault condition is removed
Power-up Inhibit	Output below 3.6 mA for 2-3 seconds

Diagnostic interface reference

Zero and Span	Independent external adjustments under the label
Diagnostic Output	Non-isolated PROX OUT / COM and coaxial connector
PROX OUT Impedance	10 kohm, calibrated for a 10 Mohm load
PROX OUT Cable Limit	3 m maximum from the BNC diagnostic output
Grounded Test Equipment Interface	122115-01 test adapter for signal isolation
Transducer-system Frequency Range	5-6000 Hz

Related Bently Nevada models

Bently Nevada 990-05-50-02-01	Related portfolio item; verify full configuration
Bently Nevada 990-05-70-02-01	Related portfolio item; verify full configuration

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com

01 / Exact identity

Match 104M6732-01 against the machine record and actual unit marking; a different 104M identifier does not establish an equivalent execution.

02 / Electrical length

Do not infer XX length from the cable routing distance; confirm the electrical system length and the specified probe/extension combination.

03 / Mounting hardware

Review the actual supplied DIN clips or bulkhead hardware against the standard 03 mounting reference and the cabinet design.

04 / Calibration and scale

Confirm the special calibration and receiving-controller scale before treating a current reading as a vibration amplitude.

05 / TEST-input check

For a TEST-input check, record the input and loop load; repeat the separate installed probe/target test required by the machine procedure.

06 / Diagnostic isolation

Isolate grounded AC-powered diagnostic instruments through the 122115-01 adapter and keep the BNC diagnostic cable within the series 3 m limit.

07 / Environment

Apply environmental limits to the transmitter location and protect coaxial connectors; approval-specific conditions can be narrower than the general family ratings.

08 / Fault recovery

Investigate persistent Not OK behavior, then document recovery and the intended measurement response before the channel is returned to service.

Loop and installed-channel checks

The TEST input accepts a function-generator signal for a loop-output check. This evaluates a different path from the installed probe, target and extension cable. Record the selected test path and instrument loading, and complete the installed-channel functional check separately.

Capability boundary

The 4-20 mA signal supports overall peak-to-peak trending. It does not determine vibration phase, capture an alarm waveform or implement gap/phase alarms, Timed OK channel defeat, Danger Bypass or Trip Multiply. The machinery control system supplies its configured alarm and logic functions.

990-series transmitter environment

Transmitter Operating Temperature	-35 to +85 deg C; installed approval limits also apply
Storage Temperature	-52 to +100 deg C
Humidity	100% condensing, non-submerged, with protected coaxial connectors

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com

What evidence is needed to select companion components for 990-05-XX-03-CN 104M6732-01?

Use a configuration record or verifiable marking that links 104M6732-01 to the actual probe, extension and calibration. The supplied 990 datasheet does not list that special identifier, so the standard NSv combinations alone do not complete the selection.

Does a successful TEST-input check prove 990-05-XX-03-CN 104M6732-01 is correctly matched to its target?

It checks the electronic loop path using a function-generator input. It does not prove probe gap, target suitability, XX electrical length or special calibration; those belong to the separate installed-channel check.

What measurement boundary applies to the loop-accuracy reference for 990-05-XX-03-CN 104M6732-01?

The series +/-1.5% rating runs from the TEST input to voltage across a 250-ohm loop. PROX OUT scale-factor error is additional, so that figure should not be described as the total accuracy of this unlisted special execution.

Is the 23 mA series current limit a normal full-scale output for 990-05-XX-03-CN 104M6732-01?

No. The documented proportional output is 4-20 mA over the configured full scale; 23 mA is the typical current-limiting value. Controller scaling must follow the confirmed calibration of the installed unit.

Related Bently Nevada models

Bently Nevada 990-05-50-02-01	Related portfolio item; verify full configuration
Bently Nevada 990-05-70-02-01	Related portfolio item; verify full configuration

Recommendations

These are related portfolio links, not compatibility or substitution approvals. Compare every complete identifier and the installed configuration independently; a matching enclosure or base 990 number is insufficient.

Document purposes

Technical Reference	Series architecture, reference ratings and evidence boundaries
Installation & Commissioning Guide	Identity, mounting, diagnostic checks and acceptance
Complete Product Information	Product scope, reference data, precautions and FAQs

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com

How does the series recover from a Not OK condition on 990-05-XX-03-CN 104M6732-01?

The 990 reference restores the output within 2-3 seconds after the fault condition has cleared. Persistent low current requires inspection of the actual transducer connection and circuit rather than an assumed recovery time alone.

What loading and cable limits matter at the diagnostic connection of 990-05-XX-03-CN 104M6732-01?

The series PROX OUT impedance is 10 kohm, calibrated for a 10 Mohm load, and the BNC diagnostic lead is limited to 3 m. These describe the diagnostic path, not the permitted receiving-loop resistance.

Does the humidity reference permit exposed coaxial connectors on 990-05-XX-03-CN 104M6732-01?

No. The series 100% condensing statement applies to a non-submerged installation with coaxial connectors protected. Review the actual special execution and approval conditions before applying environmental ratings.

Can CN and XX in 990-05-XX-03-CN 104M6732-01 be completed from the standard ordering table?

The supplied table does not define this CN execution, and XX supplies no numerical length. Preserve both fields unchanged and leave their unverified attributes unassigned until the unit configuration is established.

Separate diagnostic and trend roles

4-20 mA loop	Overall peak-to-peak amplitude for the machinery controller
PROX OUT	Dynamic vibration and gap-voltage access
TEST input	Electronic loop-output verification

Related Bently Nevada models

Bently Nevada 990-04-50-01-00	Related portfolio item; verify full configuration

Manufacturer evidence and applicability

990 Vibration Transmitter Datasheet 141612 Rev. Y: family role and interfaces p. 1; diagnostic isolation and limitations p. 2; electrical reference and specifically listed modifications p. 3; environment p. 4; approval conditions p. 6; standard ordering p. 7; test adapter p. 10. The user-supplied file does not decode this special execution.

Configuration before use

The user-supplied 990 series reference supports the family description. A special-execution record or verifiable marking is still needed to complete unknown length, calibration and approval fields.

Connect with ApterPower

Phone: +86 180 3023 5313

Email: sales13@apterpower.com

www.apterpower.com

990-05-XX-03-CN 104M6732-01