

Choose Your PicoBNC+ NVH Kit

Starter Kit (PQ426)

Also available with carry case included (PQ427)

Includes:

1 x Microphone
1 x Accelerometer
1 x Extension Lead

Coverage: 3 axes from 1 location

Best for: Performing a quick baseline measurement to determine diagnostic direction.



Standard Kit (PQ428)

Includes:

2 x Microphone
2 x Accelerometer
2 x Extension Lead
1 x Carry Case

Coverage: 6 axes from 2 locations

Best for: Comparative testing - isolating front and rear or left and right of vehicle



Advanced Kit (PQ429)

Includes:

4 x Microphone
4 x Accelerometer
4 x Extension Lead
1 x Carry Case

Coverage: 12 axes from 4 locations

Best for: Full four-corner coverage reducing the number of test runs



For customers of our old BNC PicoScopes, our existing BNC NVH Kit remains available and fully supported - probes, accessories and PicoDiagnostics Software continue to work alongside the new PicoBNC+ range.

UK Global Headquarters:

Pico Technology
James House
Colmworth Business Park
St. Neots
Cambridgeshire
PE19 8YP
United Kingdom

📞 +44 (0) 1480 396395
✉️ sales@picoauto.com

North America Regional Office:

Pico Technology
320 N Glenwood Blvd
Tyler
Tx 75702
United States

📞 +1 800 591 2796
✉️ sales@picoauto.com

**Germany Regional Office and
EU Authorized Representative:**

Pico Technology GmbH
Emmericher Str. 60
47533 Kleve
Germany

📞 +49 (0) 2821 7373030
✉️ info.de@picoauto.com



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Pico NVH Diagnostics Kits



Cut The Noise. Find NVH Faults Fast.

- Capture vibration and/or sound data in a road test.
- Save time on test setups with PicoBNC+ auto probe detection.
- Record data and play back both before and after your fix.
- Save and share signals to justify customer and warranty repairs.



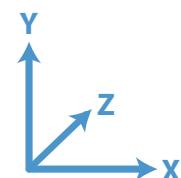
New Part. Same Problem.

Unresolved Noise, Vibration, and Harshness (NVH) faults lead to premature component wear, expensive warranty disputes, and reduced customer satisfaction. Misdiagnosed wheel bearings, engine and gearbox mounts waste valuable time and money. Identifying the true cause of NVH issues means faster, more accurate diagnosis, and repairs that win customer trust and repeat business.

From Guesswork To NVH Diagnostic Confidence.

Our Pico NVH Kits capture and isolate multiple noises and vibrations in real time. Simple bar charts and easy-to-read results make for quick diagnosis, while advanced features, like waterfall and spectral displays, simplify complex analysis.

Why Workshops And Manufacturers Use Our NVH Kits



Four-Corner Coverage

Our 3-axis accelerometer captures fore-aft, lateral, and vertical vibration through a single channel, allowing a PicoScope to cover 12 axes of data in a single test. (Not available on BNC kits.)



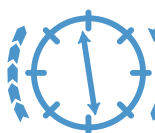
Plug & Play Technology

PicoBNC+ automatic probe recognition identifies each probe on connection and applies the correct settings. (BNC kits use diagrams in software to guide setup.)



Battery-Free Probes

Our BNC+ probes are powered directly through a PicoScope, eliminating the need for internal batteries. This reduces maintenance downtime and removes the risk of battery failures interrupting a test. (BNC kits are battery powered.)



On-Vehicle Propshaft Balancing

Pair with the PicoBNC+ Optical Sensor Kit to rebalance propshafts on a vehicle or machine, saving time and money on replacement parts. (Available on BNC kits.)

The NVH Diagnostic Workflow

1

Measure

Accelerometers and microphones capture vibration and sound signals during a road test or in the workshop.

2

Identify

Vibration order analysis identifies the key frequencies of rotating components, using reference speeds from the vehicle's OBD communications, optical sensor or tachometer input to calculate order magnitudes.

3

Confirm

Check the suspect order against a known-good baseline or a second test condition to rule out other sources and pin the noise to one component. Objective evidence, not opinion.

4

Verify

Repeat the test after the repair with the same setup. A report from each test gives you the before and after evidence to show the customer the fault is gone.



NVH measurement is available within our free PicoScope 7 Automotive Software, which comes with lifetime updates and technical support.

Key Components

Microphone
(TA572)



Accelerometer
(TA573)



Extension
Lead
(TA574)



Magnet
(TA096)



Mongoose-Plus
ISO/CAN 3 Lead
(TA512)



Optical Sensor Kit
(PQ316)

