

Pass-by Noise Testing System



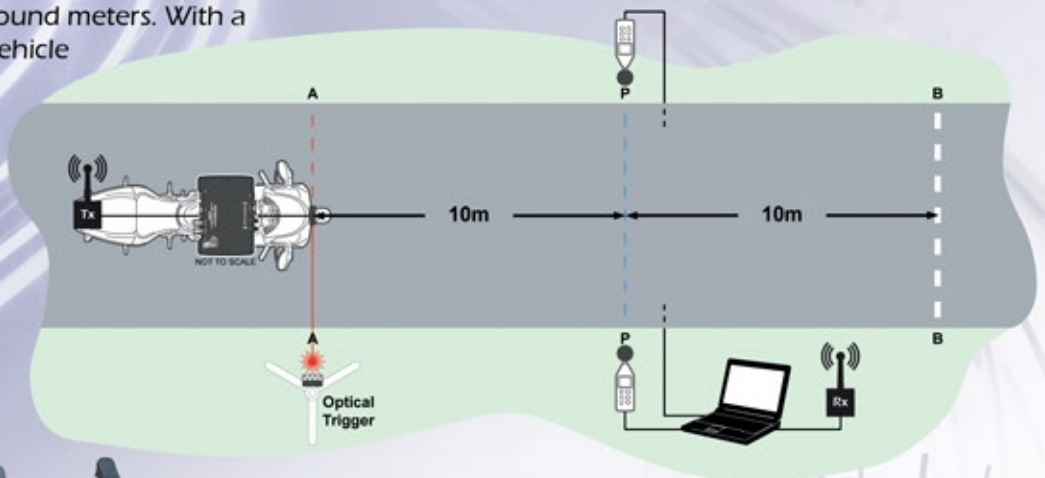
- Systems for R41 and R51 noise emissions testing
- Highly accurate, with live feedback during testing
- PC software records full testing results
- Quick to set up and install on the vehicle

The Pass-by Noise Testing systems are based around a compact, customised Peli case that mounts on/in the vehicle and a trackside PC and sound meters. With a wireless data link between the vehicle mounted kit and the trackside PC. All data and results are recorded to the trackside PC in the Live Monitor software, and test results and data are feedback to the vehicle mounted display for instant feedback.

- The system is ideal for motorbike testing as the vehicle mounted kit is compact and easily mounted.
- The trackside set up is quick with only a single measured distance between the optical trigger and the sound-meters.
- Data from vehicle transmitted to PC. PC calculated values transmitted the DASH4PRO display for instant feedback to driver/rider.



- DASH4PRO's LED scales indicate approach speed accuracy in 0.5 km/h intervals, to help efficiently meet the +/- 1 km/h tolerance.
- CAN compatible, take RPM and throttle position directly from the vehicle's CAN bus.
- 100% throttle switch and RPM inputs available for vehicles without CAN bus.



Passing the optical trigger starts the test at point A-A, with the system automatically measuring the distance to P-P and B-B, with relevant speed and sound measurements recorded to the PC. The testing can be made more efficient by using a second optical trigger, allowing testing in both directions, with automatic left/right switching of the sound-meters.



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The DASH4PRO display is setup with the following data to assist the test rider/driver:



Systems can be purchased with or without the following options:

Laptop computer (English version)

- Race Technology installed software
- Configured "ready to go"
- USB hub
- USB extension
- Microsoft office

Sound meters (2 required)

- Larson and Davis LXT sound meters
- Calibration certificates
- Microphone tripod mounting clip
- 40m microphone extension cable

Internal battery pack

- 12v 5000mAh internal battery
- Smart charger

Tripod kit

- 2 x tripods for microphones
- 1 x tripod with laser trigger reflective barrier

Weather station

- Davis Vantage Vue weather station
- Davis LCD display
- Weather station data interface
- Tripod for weather station

R51 Kit (Car Noise Testing)

- External GPS antenna
- External laser trigger with suction mount
- OBD interface

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