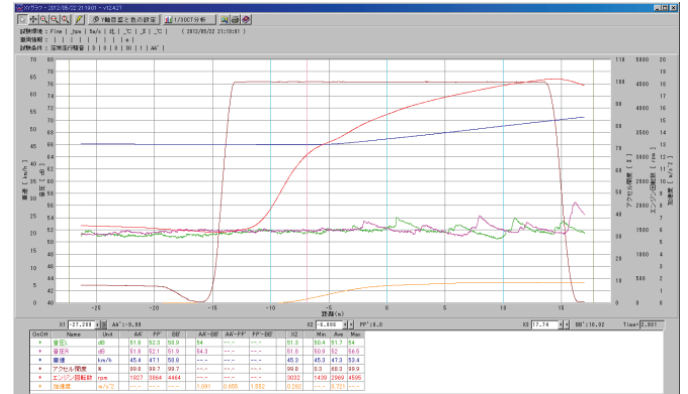
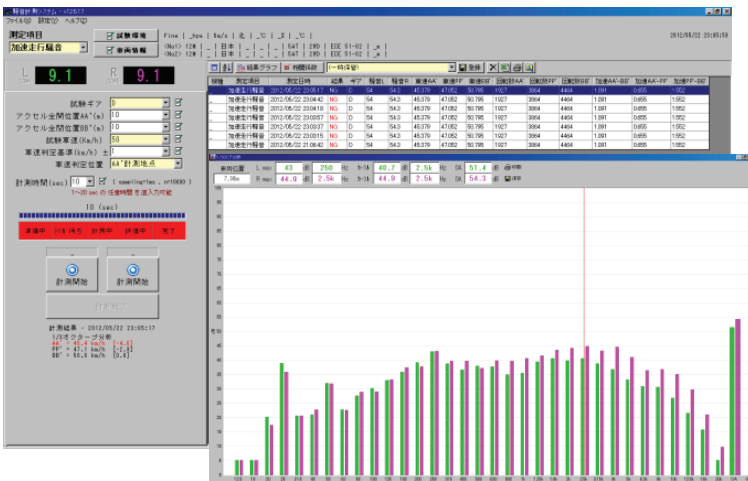


# CAT Pass-By Noise



Software by:  
**CATEC**

## Overview

CAT PASS-BY NOISE is a system that measures noise, vehicle speed, engine speed, etc. in the running noise test of a vehicle and calculates acceleration. The value measured with Rion's precision sound level meter NA - 28 can be recorded as store data (1 ms).

The GPS speedometer is recorded as CAN communication, the engine tachometer is recorded as digital data by USB serial communication.

Starting measurement with the laser sensor as trigger, you can graphically display the data measured from the noise gauge measurement value and the wireless LAN via the engine tachometer, the GPS speedometer, and the accelerator full opening SW in the vehicle interior.

## Features

- Corresponds to accelerated running, steady running, proximity exhaust noise test, background noise measurement
- Measurement such as noise, vehicle speed, engine rotation, full throttle opening
- Setting items: Test environment, vehicle information registration, test gear, test vehicle speed etc.
- Vehicle speed / acceleration / engine speed determination function
- Test result list display (noise, vehicle speed, rotation speed, acceleration etc.)
- Octave graph display of distance axis, time axis graph and specified distance and time
- PMR, target acceleration, reference acceleration calculation
- Measurement start trigger input with laser sensor
- Driver's guide function with informing sound (acceleration timing)
- Entry vehicle speed calculation function
- Report output function (CSV)
- Small and lightweight hardware for automotive use

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