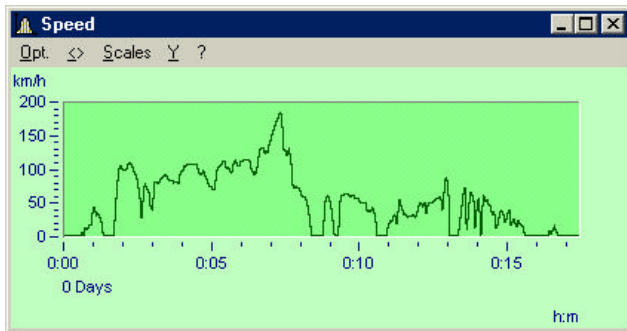
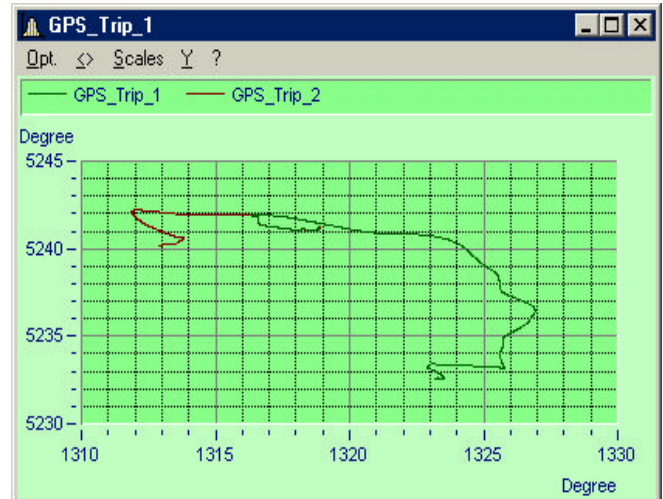


The measurement of speed, especially for road and off-road vehicles, often relies on wheels or other ground-touching mechanics. But a contact-free and slip-free measurement of speed is very often required. In this context, GPS can play a very important role. Initially created for military applications, today GPS provides the imc measurement systems with information needed by measurement engineers and technicians.

Acceleration tests, brake tests, as well as the continuous recording of long-term measurements can be performed with the imc system. The imc-curve manager supports XY-plots to show the mileage. As an additional option, FUGAWI's navigation software or other similar software tools can be used to display the route in a road map.



Speed data come directly from the GPS



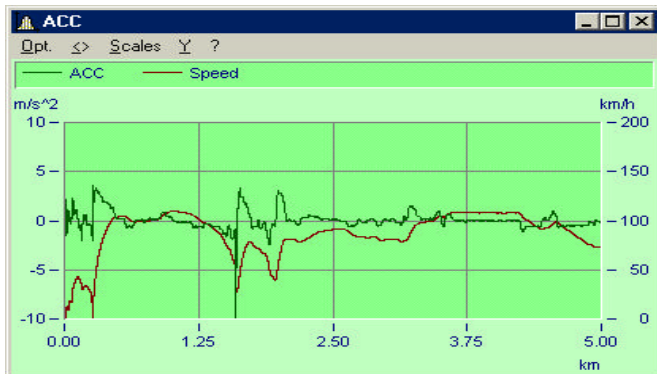
The imc curve-manager X-Y plot displays the route

Continuous measurement of speed from 0.2 km/h up to 300 km/h and the exact position can be acquired with the help of imc measurement systems. The basis is a GPS antenna, which can be equipped with a magnetic support or other mechanical parts to fasten it. Through a converter, the GPS information is transformed into CAN-bus signals. This information can be read into any imc measurement system having a CAN-bus interface. The only condition: the system needs a CAN interface.

Besides the speed itself, the measurement system van's 2-node CAN-interface can also be used to measure CAN-bus messages from inside the car. The acquisition of such data (e.g. ABS-brake data, accelerator information) is synchronized with the speed data provided by GPS.



Microsoft Auto Route displays the same track on a road map



Speed and acceleration over distance

