xProGPS_max

100 Hz GPS Datalogger

xpro®

High Performance Automotive Test Systems

xproGPS_max

100 Hz Speed-Sensor, Performance & Braketest, CAN-Logger

All-in-one high-end GPS Logger

The most complete solution for all in-vehicle applications:
100 Hz speed sensor, flexible multi-CAN logger, performance test system,
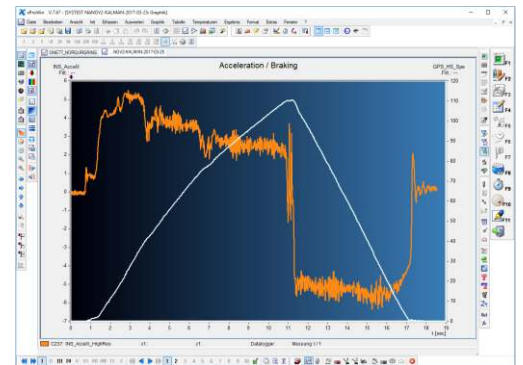test navigation and more ...

Highlights

- Native 100 Hz data rate
- Kalman sensor fusion to compensate GPS drop-outs
- Built-in Inertial-Sensor and Altimeter
- General Data Logging on 3 CAN busses
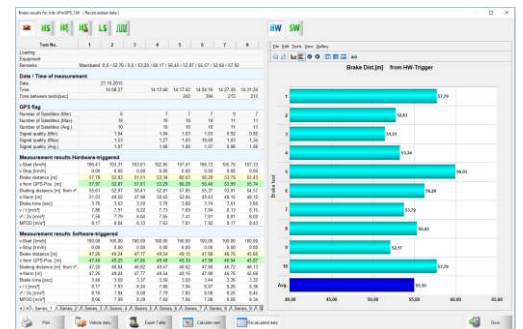- Logging thermo- and analogue channels with xpro extension units

Software Power for your Applications

- A full range of software modules will assist you:
- Several Performance test apps including accel, coast-down etc.
- Sophisticated Brake Test package with outstanding precision
- Test navigation for complex test procedures
- Durability Module
- Tachometer Calibration

Technical Data

- Dual Receiver concept: 100 Hz main unit plus 10 Hz GLONASS receiver
- Multiple interfaces: 3 * CAN, COM, USB, 2 * Analog out, Pulse out
- Acquisition of up to 250 CAN channels on 3 separate CAN busses with parallel sampling of all 3 CAN busses with 100 Hz data rate
- Counter inputs for digital speed and fuel sensors
- Internal Inertial Sensor with 3 * Accelerometers / 3 * Gyros
- Internal barometric altimeter
- High-Speed data storage on SDHC card
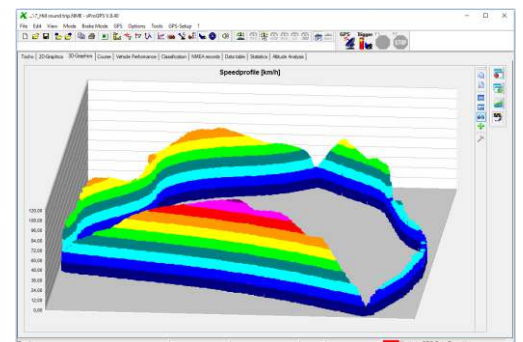- Automotive Power Supply range

Sensor Fusion to compensate GPS-Drop-Outs

By nature GPS signals can be corrupted when passing buildings or bridges.

As an elegant work-around xProGPS_max provides a complex Sensor-Fusion algorithm to compensate missing or noisy satellite information by using an internal / external Inertial Sensor.

This results in a dramatic enhancement of the speed signal with less noise, higher precision and better dynamic.

forget about Drop-Outs - with xproGPS plus IMU

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