Suchy Data Systems

xproGPS_nano25/100

25 Hz GPS for Low Budgets

100 Hz GPS + RTK for everyone

100Hz + RTK

25 Hz Budget Price

Drop-Out Compensation by Sensor Fusion with internal IMU

clever Testing with xpro©

xproGPS_nano25 + xproGPS_nano100

upgrade your Test Instrumentation with GPS in a minute

With xproGPS_nano25 and xproGPS_nano100 almost any datalogging system can be upgraded with GPS functionality.

xproGPS_nano sensors provide several standard interfaces via which i.e. the vehicle speed or the current position can be accessed.

Only a very few steps are neccessary:

- place the GPS antenna on the vehicle roof top
- connect nano to a vehicle power outlet or to an USB-C port
- connect to a communication interface of your logger

done - your new equipment is ready to run!

the Choice is yours - select a 25 Hz rate

xproGPS_nano25 - the 25 Hz Work Horse

Low-cost Version with 25 Hz - fits every budget

- 25 Hz receiver with maximum sensitivity -165 dbm
- specially suitable for difficult reception conditions
- Feature list similar to nano100 but without RTK
- extremely high reliability
- proven under the toughest operating conditions

or alternatively a speedy 100 Hz verion

xproGPS_nano100 - 100Hz + RTK for everyone

rapid 100 Hz for Applications with high Dynamics

- 100 Hz receiver of the latest generation
- up to 1 cm position accuracy in RTK mode
- native Multiband Core L1 / L2 / L5
- high signal sensitivity and low noise
- cost-effective 100 Hz solution

Top Features - all already included

- internal 6D inertial sensor and altimeter
- Sensor fusion for drop-out compensation with Kalman
- Frequency and Analog Output
- 1 PPS output (1 pulse / sec)
- Programmable Switch Signal
- Angle Compensation of the mounting position
- Trigger Signal
- Status LEDs for power / number of satellites / RTK
- Ultra-fast Cold Start
- Selected high-gain Antenna for best signal quality
- great software package including real-time PC graphics

Technical Data

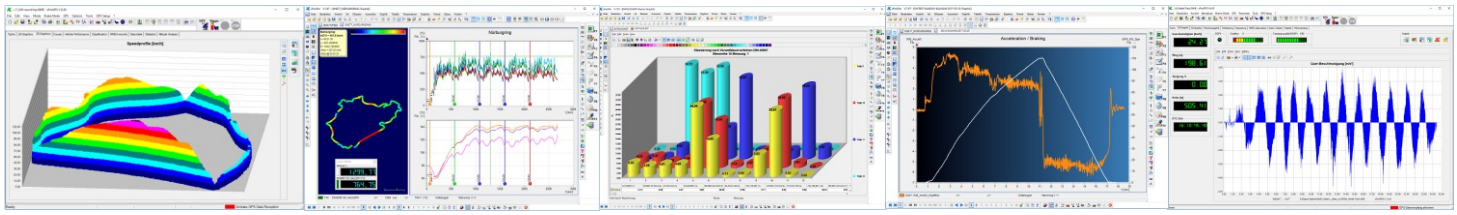
Communication Interfaces

- CAN 2.0B / CAN-FD ready with Galvanic Isolation
- for ease-of-use Power Supply also via USB-C
- COM-Port RxD / TxD @ 115 kBaud
- second COM-Port for RTK / RTCM correction data
- Analog Output 0...2.5 V 16 Bit Resolution
- Frequency Output for 5th Wheel Simulation

Power Supply

- Power Supply with galvanic Isolation
- Low-Power Design
- protected against wrong Polarity and EMI spikes
- automatic electronic Fuse
- Range Power Supply 10 … 32 VDC and 5 VDC
- Power Supply via both vehicle or USB-C

- Size 114 * 86 * 26 mm
- Weight appx. 250 g
- Temperature Range -40 … +85 C°



clever Testing with xpro© Automotive Systems