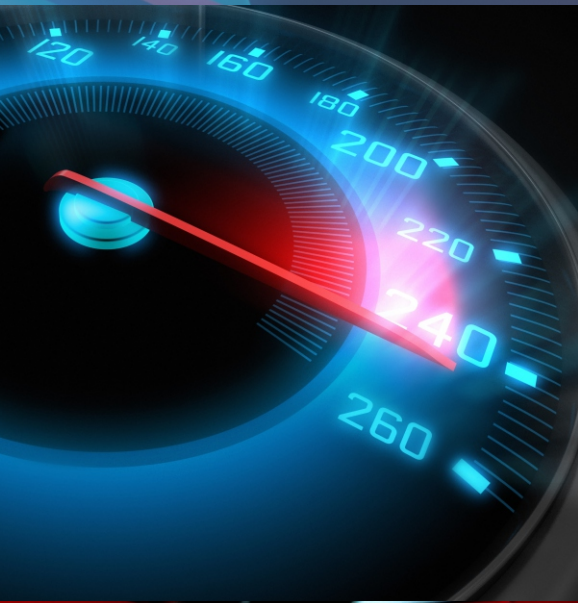


Suchy Data Systems



100 Hz GPS + RTK for everyone

upgrade your Test Equipment with GPS in a minute



100Hz + RTK



25 Hz Budget Price

clever Testing with **xpro**®



100 Hz GPS + RTK for everyone

upgrade your Test instrumentation to GPS in a minute

xpro GPS_nano100

super speedy 100 Hz for highest Dynamics

- 100 Hz Receiver of latest generation
- RTK-Betrieb bis zu **1 cm Position accuracy**
- native Multiband Core L1 / L2 / L5
- high Signal Sensitivity and low Noise
- **cost effective 100 Hz Solution**

xpro GPS_nano25

Low-Cost Version with 25 Hz - fits into every budget

- 25 Hz Receiver with high Sensitivity of -165 dbm
- best also in difficult constellation of signal reception
- Feature List as xpro nano100 but without RTK
- high Reliability even in harshest test conditions



Technical Specification

Communication Interfaces

- CAN 2.0B / CAN-FD ready with full galvanic Isolation
- USB-C socket also for Power Supply
- COM-Port Rx/D / Tx/D with 115 kBaud
- RTK correction data over additional COM-Port
- Analogue Output
- 5th wheel simulation over Frequency Output

Power Supply

- Power Supply with galvanic Isolation
- **Power Supply via vehicle power or USB**
- Low-Power Design
- protected against wrong polarity and EMI
- Electronic Fuse
- Power Supply Range 10 ... 32 VDC and 5 VDC

Dimensions and Weight

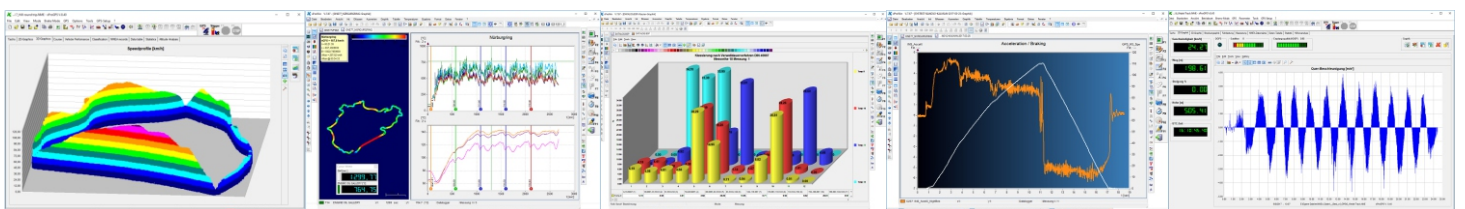
- Dimensions 114 * 86 * 26 mm
- Weight ca. 240 g
- Temperature Range -40 ... +85 C°

Top Features - already included

- internal 6D Inertial Sensor with Resolution of 2g and 300 deg/sec
- internal precision Altimeter 300 ... 1100 hPa
- Kalman Filter Signal Smoothing
- Sensor Fusion for short-time Drop-Out Compensation
- 1 PPS Output (1 Pulse / sec)
- programmable electronic Switch
- Compensation of Mounting Angle by Push-Button or CAN
- Marker Signal of Trigger Button as CAN message
- powerful ARM-Controller
- Status LEDs for Power, number of Satellites and RTK
- rapid Cold Start
- special High-Gain Antenna to improve signal reception quality
- compact and robust Design to comply to professional application

Windows Setup Tool and Windows Logging

- Real-Time Datalogger over USB
- Performance Test module - Standing Start, Brake Test and more
- Analyzing Module with multiple graphics and spreadsheets
- Export: Excel, Google-Earth, Open-Street-Map
- Firmware Update via USB



clever Testing with xpro® Instrumentation