xproGPS_nano25

upgrade your Test Instrumentation with GPS in a minute

Drop-Out Compensation by Sensor Fusion with internal IMU

With xproGPS_nano25 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 be accessed.

xproGPS_nano25: Low-cost Version with 25 Hz

- 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 operation conditions

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 (1pulse / sec)
- Programmable Switch Signal
- Angle Compensation of the mounting position
- Trigger Signal, Ultra-fast Cold Start
- Status LEDs for power / number of satellites / RTK
- Selected high-gain Antenna for best signal quality
- Great software package including real-time PC graphics

Technical Data

Communication	
CAN interface Type	CAN 2.0B / CAN-FD ready with Galvanic Isolation
COM port #1 / #2	COM-Port RxD / TxD @ 115 kBaud / RTK, RTCM correction data
Analog Output	0 ~ 2.5V with16 bit Resolution
For ease-of-use Power Supply also via USB-C	
Power Supply	
Range	10 ~ 32 VDC and 5 VDC with galvanic isolation (Low-power Design)
Protected against wrong polarity and EMI spikes, automatic electronic Fuse, Power supply via both vehicle or USB-C	
Physical	
Dimensions & Weight	114 x 86 x 26 mm, appx. 250 g
Temp. Range	- 40 ~ 85 °C

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