

gps100PRO

GPS-System

100Hz Dual GPS-System

GPS, GLONASS, GALILEO



Systeminternal Triax-Accelerator (Option !)

Systeminternal Triax-Gyroskop (Option !)

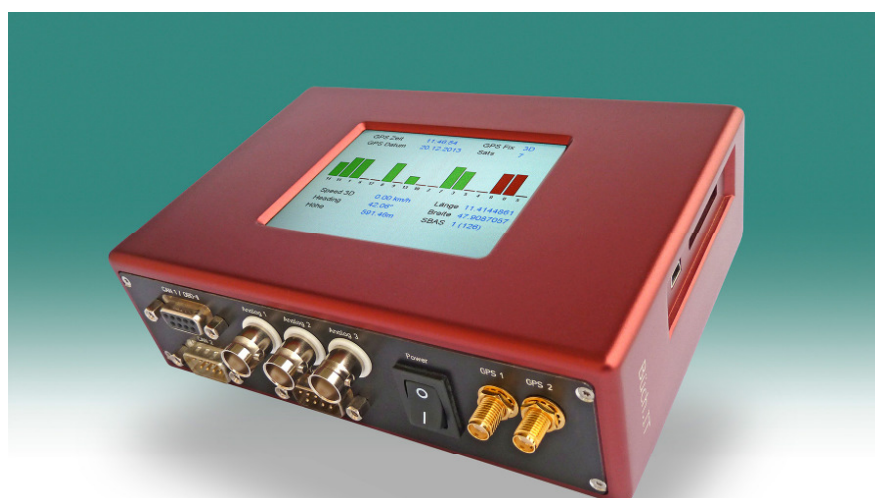
3 analog output/8 analog output (Option !)

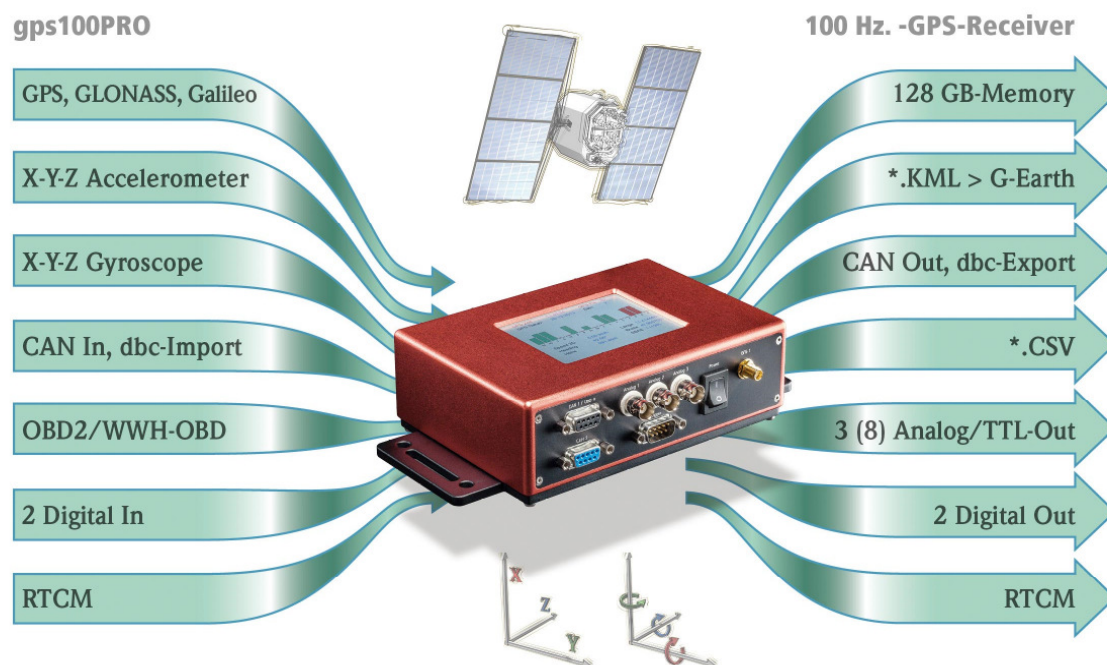
CAN-input, CAN-output, OBD2-interface

128 GByte (SDHC) triggered Ringbufferfunction

2 Digital-input, 2 Digital-output (Option !)

Integrated color display





gps100PRO/L1

- * 100 Hz-GPS-System for Automotive applications.
- * CPU ARM7, 72MHz, 16MB RAM
- * Anodized aluminum housing
- * 128x64 Pixel color-display
- * CAN1, galvanic isolated: CAN-output for GPS, Accelerometer, Gyro, OBD2
- * CAN2, galvanic isolated: CAN-input (f.e. vehicle-CAN) or OBD2-input
- * Triggered Ringbufferfunction, 128 GB SDHC
- * Thresholdmonitoring for all signals included
- * 2 Event-inputs (optical sensor, brakepedal, f.e.)
- * 2 Trigger output, 12 volt / 500 mA
- * Selectable CAN interface settings
- * GPS-Fallbackmode to 10 Hz-GPS
- * Settings programmed by USB download
- * Voltagesupply +8 bis +32 Volt
- * Including GPS-antenna / 5 meter
- * Modular system structure

Option „TRIAX-ACC/5G“, Systeminternal Triax-Accelerator

- * Range X,Y,Z-axis +/- 5g, DC ... 330 Hz. other ranges on request!
- * automatic zero adjustment
- * adjustment and alignment real-time viewed at the display
- * low output noise (unfiltered) typ. 3 mg rms
- * Linearity typ. 1% FSC (5g)
- * Integrated lowpassfilter, upper cut-off frequency adjustable!

Option „TRIAX-GYRO“, Systeminternal Triax-Gyroskop

- * Range X,Y,Z-axis $\pm 75^\circ/\text{sec}$, $\pm 150^\circ/\text{sec}$, $\pm 300^\circ/\text{sec}$., DC ... 300 Hz
- * Linearity. 1% FSC

Additional options / system extensions:

- „3 ANA-OUT“ 3 x BNC-socket, outputsignal individual selectable
- „8 ANA-OUT“ 8 x BNC-socket, outputsignal individual selectable
- „WWH-OBD2“ OBD2-Access to signals of vehicles diagnostic interface
- „2Dig in/2Dig out“ Additional digital in– an outputs
- „4 Ana In“ 4 analog inputs with auxiliary sample rate
- „MEM-SDHC“ Storage function
- „GPS GW“ Threshold monitoring function

Our recommendation !

Our multifunctional display **VarioVIEW7** (7“-Diagonale) can be used for a more comfortable display at the vehicles windscreen. The 7“ display can be mounted by suction cup fastening and will be connected directly via single CAN-line to the **gps100PRO**.

All additional functions of the Display itself can be used!

Please ask for **GPSPRO/VV7-SET** !

