

## Cardalog-E

### Compact data recorder for mobile measuring tasks

Mobile data recorder with compact Flash card as data storage medium with max. 126 recording channels and sampling rates from 1 to 1000 Hz.  
Project-oriented configuration and data analysis / data export using WinDat software package.

28 analogue inputs, 24 of which are multirange differential inputs  
4 pulse measurement/frequency inputs  
Individual event-triggered sampling rate switching for each channel  
Loop recorder  
Pretrigger function  
1 trigger input for internal time measurement  
3 x CAN interfaces, 2 of which are user-



configurable, 3<sup>rd</sup> CAN interface for module coupling and synchronisation, master-slave capability  
4 x RS232 for online and display connection plus GSM and GPS in NMEA standard (displays with integrated recorder switch can be connected directly and are fully integrated in the system software.)

Online classing

1 Start/Stop input for manual Record control

1 high-side driver / 200mA

Channel expansion through connection of Cardalog modules

Working temperature range: -25° ...+80°C

Supply voltage 7.5...60V / approx. 300mA

Sensor voltage supply 10V / 0.2A (other voltages available on request) and 5V/50mA reference voltage

Dimensions: 160 x 100 x 44 mm

Weight: 700 gr.

Optional modifications and expansions:

Integrated no-break power supply for approx. 20 seconds with maintenance-free SuperCaps

Steep-sloop 4<sup>th</sup> order anti-aliasing filter instead of 1<sup>st</sup> order for all differential inputs

Display package with driver software and LCD display in two variants