



PULSAR mobile



PULSAR mobile is an embedded acquisition system aimed to realize data acquisition from various measuring channels and sources. Data are recorded and saved in one synchronized file. Totally autonomous, the device doesn't require any connection to a computer. With its compact design and specific components, PULSAR mobile fits in a vehicle or in a test bench and supports a wide temperature range from -30°C to +70°C.

OVERVIEW

- Modular and autonomous system
- Voltage supply: 12VDC
- Sampling rate of 10Hz on every channel
- Data synchronization in one acquisition file
- Storage capacity: 9 days with 100 channels @ 10Hz
- Working temperature range: -30°C..+70°C
- Visualizing and analysis tools
- Extension rack for relay outputs (optional)
- Custom development (optional)

HARDWARE CONFIGURATION

- 32 TK thermocouple input
- 8 RTD Pt100 measurement
- 16 Current analog input: 4..20mA
- 31 Voltage analog input: -10V..+10V
- 1 Atmospheric pressure integrated
- 1 Serial port RS232
- 1 OBD CAN link
- 1 Global Positioning System integrated (optional)

VISUALIZING AND ANALYSIS

- Visualizing data acquisition file:
 - Single ou multi-scale (log, linear)
 - Temporal manipulation
- Post treatment:
 - Operation on channels
 - Time and frequency analysis (filter, fft)
 - Selection/Removal of measurement points
- Export results:
 - Graphical export (picture)
 - Text file export (csv)



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