

I-LOG Data System

The I-LOG data acquisition system is one new development which offers a tailor-made solution for users in almost all areas. From the basic version, about the version with integrated GPS up towards high performance data acquisition and evaluation system for testing applications for all kind of vehicles.

- High performance data acquisition and evaluation system for mobile vehicle testing
- Data acquisition for various signals (CAN, analog, digital, counter, GPS)
- User friendly high performance software for data acquisition and evaluation
- Compact size for easy installation



I-LOG data system

Description

Using a combination of acquisition hardware with a tablet PC or notebook, the I-LOG systems offer a new dimension of online vehicle testing. The housing of the new I-LOG systems is designed to be identical with the new sensor generation, which guarantees a firm connection of the electronics housing with the I-LOG unit.

Application

The I-LOG system has inputs for connecting various sensors: Speed, pressure, flow, force, steering angle, distance and many more. The compatible design of the device is suitable for mobile vehicle testing applications like

- Brake tests
- Acceleration tests
- Coast-down tests
- Fuel consumption tests
- Speed tests

In conjunction with our software, even complex measuring cycles can be recorded and detailed evaluations and analysis can be delivered. Further it can be extended with temperature or strain gauge modules.

Technical data

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|---------------------|---------------------------|
| Analog channels: | 8, 16bit ADC, ± 10 V |
| Counter channels: | 4, 16bit, 10 Hz - 50 kHz |
| CAN nodes: | 2, DBC, 1 M Baud, 15 ch |
| GPS: | 5 Hz, built-in accelerom. |
| Digital inputs: | 4 switches |
| Max. sampling rate: | 1 kHz / channel |
| Storage: | USB connection |
| Temperatures | |
| • operating: | -20 - +50 °C |
| • storage: | -20 - +50 °C |
| Power supply: | 9 – 36 VDC |

Delivery scope

- I-LOG
- Connection cable and power cable



Modules