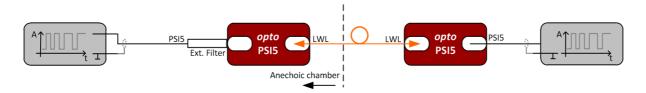
Date: 23.10.2012

## Datasheet

## Field of application and characteristics

The *optoPSI5* system can be used for the optical transmission of bidirectional PSI5 signals with transmission rates of up to 200kbit/s. It consists of a battery supplied transmitter and an also battery supplied receiver connected to each other with an optical fiber. With the optical transmission and the shielded case, the system is well equipped for EMI and EME tests.



## **Technical data**

Channels: 1 (up to 4 bus nodes parallel or serial)

Sensor side: BNC; power supply 3...10V for sensor, supply cur. 0...50mA

current is measured and transmitted to other transceiver

ECU side: BNC; current source (signal from sensor), supply voltage is

measured and transmitted to other transceiver

Transmission rate (PSI5): DC to approx. 200kbit/s

Internal sample rate: 50MS/s

Power supply: 5 NiMH cells with 4 Ah; approx. 8h; five-poled charge plug

Case dimensions: 136mm x 86mm x 65mm

chromated aluminum case

Weight: approx. 800g

Misc.: optional external battery pack / supply available

external filter fit to customer requirements capable of PSI5-A, -P, -U, -D configurations

## **Optical fiber**

Connector / Type: FSMA / duplex-multimode fiber 62,5/125µm