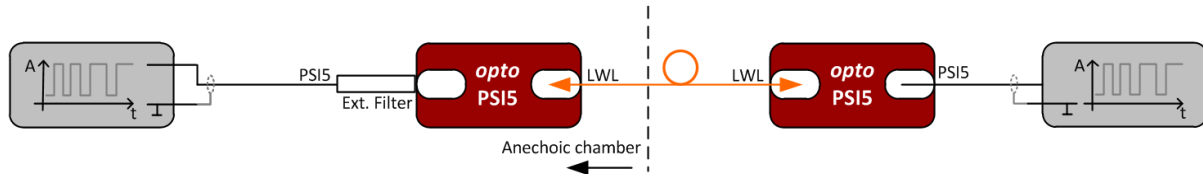


Field of application and characteristics

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
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