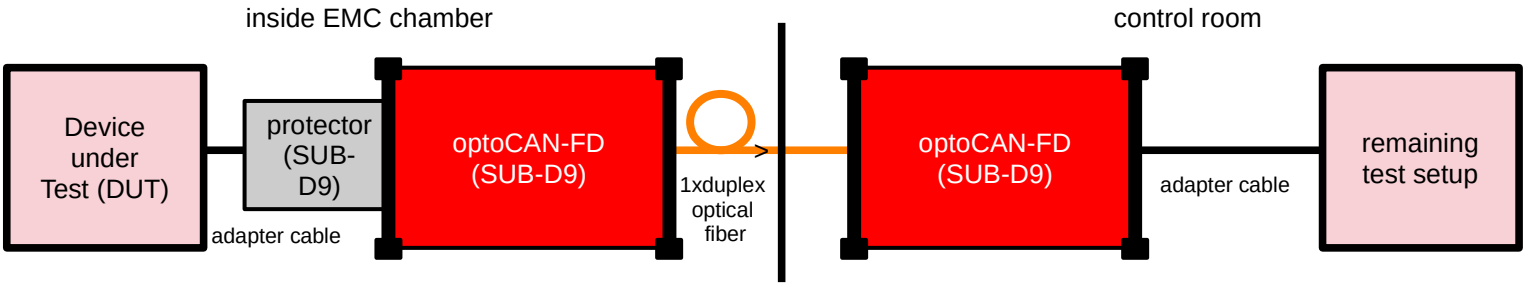
Field of application and characteristics

The ***opto*CAN-FD** system can be used for the optical transmission of highspeed CAN signals with transmission rates of up to **8 Mbit/s**.

The system consists of two battery supplied transceivers 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.

If requested, the *opto*CAN-FD transceiver can be built into a 19” rack case. If the equipment is always used at the same location, this reduces errors, setup time, and space on the tables of the control room. Up to 13 different or same automotive link channels can be integrated into a 3HE case powered by one power supply (additional channels can be purchased and integrated later on).

Application



Technical data

Channels:	1 channel
Data rate:	up to 8 Mbit/s
Data direction:	bidirectional
Input:	SUB-D9
Output:	SUB-D9
CAN transceiver:	TJA1044GT/1Z, termination switchable (60 Ω, 120 Ω, open)
CAN choke:	B82789C0513N002, 51 uH
Power supply:	integrated batteries 4 Ah, consisting of 5x NiMH cells operating time with fully charged batteries: approx. 30 h
Housing:	aluminum case with rubber protectors 135 mm x 86 mm x 65 mm
Weight:	approx. 800 g

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Optical connector: 2x FSMA / 2x duplex multimode fiber 62.5/125 µm

Options

- 5 cell external power pack (4 Ah or 10 Ah) for run time enhancement
- push-pull charge connector (advantage: save setup time)
- other optical connectors available
- 19” rack installation
- for test setups where several interfaces are needed, we offer opto5x base units with five independent CAN channels
- ...

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