

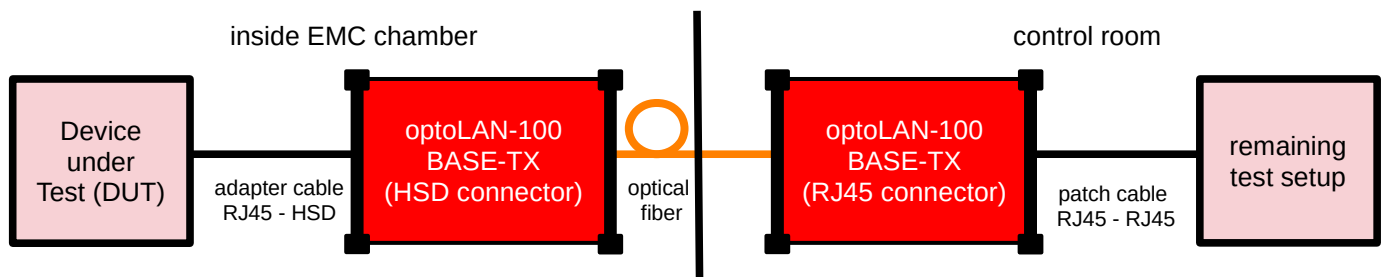
Field of application and characteristics

The **optoLAN 100BASE-TX** system can be used for the optical transmission of standard Ethernet signals (PC) with up to 100 Mbit/s (100BASE-TX). The devices are compatible to many of our automotive Ethernet transmitters 100BASE-T1, resulting in a built-in media converter (TX to T1). The devices are not downwards compatible to 10BASE-TX.

The two transceivers are supplied by internal batteries and are connected with an optical fiber. With the optical transmission, the HSD Z connector with adapter cable and the shielded case, the system is well equipped for EMI and EME tests.



Application



Technical data

Channels:	1 channel standard Ethernet, BASE-TX
Data rate:	up to 100 Mbit/s
Data direction:	bidirectional
Input:	device in the EMC chamber: HSD Z male connector
Output:	device in the control room: RJ45 standard Ethernet connector
Power supply:	built-in batteries, 4 Ah, consisting of 5 NiMH cells operating time with fully charged batteries: approx. 10 h
Housing:	aluminum with rubber protectors 135 mm x 86 mm x 65 mm
Weight:	approx. 800 g
Optical connector:	2xFSMA / duplex multimode optical fiber 62.5/125 µm

Options

- 5 cell external power pack (4 Ah or 10 Ah) for run time enhancement
- various adapter cables (e.g. HSD to RJ45) and customized solutions
- push-pull charge connector (advantage: save setup time)
- integrated media converter (T1 to TX)
- stand-alone T1 to TX media converter
- 19" housing with up to 13 different optical devices integrated