*opto*LAN-Gb

mk ● ●messtechnik
EMC Test and Measuring Systems
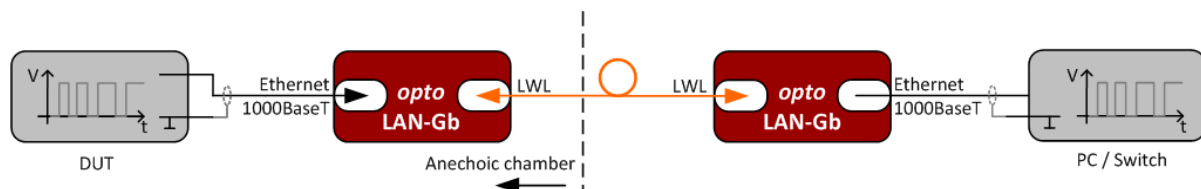
Date:
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Datasheet

Field of application and characteristics

The ***opto*LAN-Gb** system can be used for the optical transmission of fast Ethernet (LAN-) signals with a data rate of up to 1Gbit/s (1000BaseT). It is downward compatible to 100BaseT and 10BaseT (automatically detected). The two identical transceivers are supplied by internal batteries and connected with an optical fiber. With the optical transmission and the shielded case, the system is well equipped for EMI and EME tests.

Application

Technical data

Channels:	1
Connectors:	RJ45 or custom made
Data rate:	up to 1000Mbit/s (downward compatible to 10/100BaseT)
Power supply:	5 NiMH cells with 4 Ah; >10h; 5-poled charging connector
Case dimensions :	approx. 135mm x 86mm x 65mm Aluminium case with ruggedized protectors
Weight:	approx. 800g
misc:	External battery packs / power supply available on demand 19" case and ST connectors for the optical fibers available on demand

Optical fiber

Connector / type:	FSMA / Duplex-Multimode LWL 62,5/125µm