

optical LVDS



General information

The transmission system is used for optical transmission of digital LVDS signals, allowing the transmission of max. 3 LVDS channels and a clock signal simultaneously at a transmission rate of 140-455 Mbit/s (DC-balanced mode and non-DC-balanced mode). It consists of a battery powered transmitter module, two optical fibres (duplex-62,5/125µm-multi mode fibres) and a receiver module which is also battery powered. The system is specially designed for use in emi measurements (e.g. anechoic chambers, tem cells, striplines) and withstands very high electromagnetic fields.

Technical Data

Channels:	3 + CLK
Coding:	DC-balanced mode, non-DC-balanced mode
Transmission rate:	DC-balanced: 16-66 MHz Non-DC-balanced: 20-66 MHz
Power supply:	3 NiMH cells mit 4 Ah, max. 8 h continuous operation
Housing:	Length x Width x Height: 136 mm x 86 mm x 65 mm Weight: approx. 800g Aluminium box, rubber protected
Connectors:	Optical port: FSMA-connectors LVDS input signal: 2x 5 pin (2,54 mm) customized connector types and transmission rates also available

Optical fibre

Type:	2 Duplex -Multimode-Fibres 62,5/ 125 µm or 100/140 µm
Connectors for Rx/Tx:	FSMA