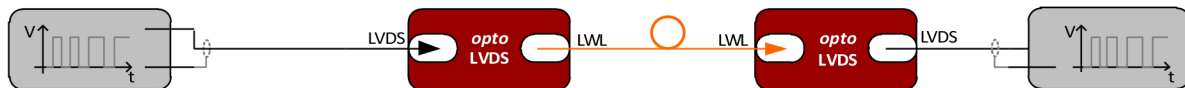


## Field of application and characteristics

The **optoLVDS-1-ds** system can be used for the optical transmission of single-channel LVDS signals with data rates of up to 1,5Gbit/s. It consists of a battery supplied transmitter and 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.



## Application



## Technical data

Channels:	single-channel mode
I/O- Connector:	Rosenberger HSD or other (e.g. Mini-USB)
Coding:	for use with DS90UR241/124-chipset or independent direct mode
Transmission rate:	PCLK 5 - 43MHz, max. 1.5Gbit/s in direct mode
Power supply:	4 NiMH cells with 4Ah; 14-20h depending on settings and data rate; five-poled charge plug, prepared for external supply
Case dimensions:	136mm x 86mm x 65mm aluminum case with rubber protectors
Weight:	approx. 800g
Misc.:	optional external battery pack / supply available

## Optical fiber

Connector / Type:	FSMA / simplex-multimode fiber 62.5/125µm
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