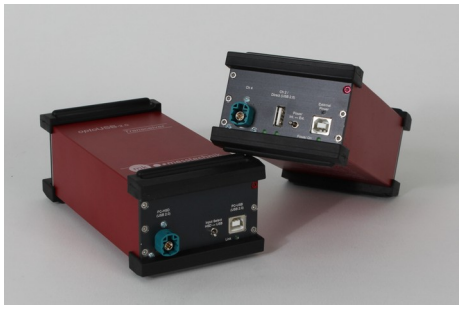
*opto*USB-2.0 -RBDIR

Date: 06/02/16

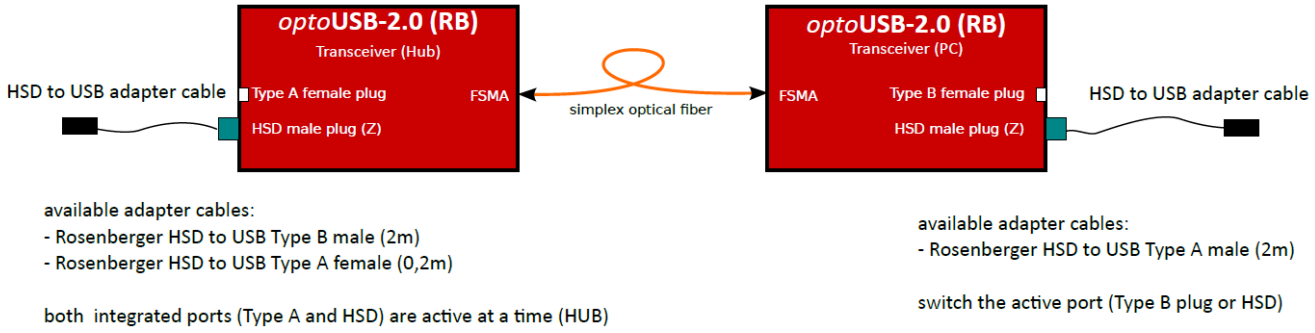
Datasheet

Field of application and characteristics



The ***opto*USB-2.0 -RBDIR** system can be used for the optical transmission of USB-signals up to a data rate of 480Mbit/s according to USB2.0 with high quality shield connection. Additional, a direct mode (at the integrated Type A plug) can be chosen, which bypasses the Hub for special applications. Also, a DUT connected to the HUB could be powered by an external 5V supply. The link can be used to transmit USB-signals over long distances or to handle ground potential problems. With the optical transmission, the high quality shield connection of the HSD plugs and the shielded case, the system is well equipped for EMI and EME tests.

Application



available adapter cables:
- Rosenberger HSD to USB Type B male (2m)
- Rosenberger HSD to USB Type A female (0,2m)

both integrated ports (Type A and HSD) are active at a time (HUB)

available adapter cables:
- Rosenberger HSD to USB Type A male (2m)

switch the active port (Type B plug or HSD)

Technical data

Connectors:	1x USB-A female and 1x HSD male (Hub side) 1x USB-B female and 1x HSD male, either or, switchable (PC-connection) use adapter cables to connect to HSD plugs
Data rate:	up to approx. 480Mbit/s (USB2.0 or less)
Power supply:	7 NiMH cells with 4 Ah; 2-10h depending on power consumption of devices at USB-ports; five-poled charge plug
Case dimensions:	160mm x 86mm x 65mm aluminum case with rubber protectors
Weight:	approx. 1000g
Misc.:	optional shielded external battery pack (BP84 – 8,4V) and external supply PS120 (12V) for outside ALC available HSD adapter cables for Hub and PC side available (chose, depending on which device will be inside ALC)

Optical fiber

Connector / Type:	FSMA / simplex-multimode fiber 62,5/125µm