



- High speed, full speed, low speed
- USB 3.1 Gen 1 data rate up to 5 Gbps
- Supports all USB 3.1, 2.0, 1.1 devices
- Up to 500 m, depends on No of Patches
- Immunity up to 200/m

foUSB

In complex testing environments it is often needed that electrical signals have to be transmitted into the chamber or out of the chamber to the test equipment.

For that purpose we offer a variety of different interfaces that convert electrical signals into optical signals and back. Such the signal can be transmitted via fibre optics and is immune against electrical fields.

A sophisticated shielding and filtering concept ensures that the interfaces are highly immune against radiation and do not deliver out any significant emission.

In most cases both units are shielded.

Features:

- RF-Immunity: works appropriate, no test report
- Very low emission 150 k – 4 GHz
- Mains powered
- Compact metal housing
- No galvanic connection between test equipment and measurement instruments

Accessories:

Standard:

- One set consists of two shielded converter units:
 Converter 1: type USB A (to connect with a PC)
 Converter 2: type USB A (to connect with peripheral device)
- Incl. special shielded USB-cable, Standard 1.9 m
- All converters are shipped with the appropriate power supply or battery and charger.

Optional:

- Fibre optic cables: OM3, variable lengths ST/FSMA-connector or ST/ST-connector
- FO-Patches (Feed Through wall Patches)

Technical Data

Converter 1	type USB A (to connect with a PC)
Converter 2	type USB A (to connect with any peripheral device)
USB device support	supports all USB 3.1, 2.0, 1.1 devices
Data rate	USB 3.1 Gen 1 data rate up to 5 Gbps High-speed devices (480 Mbps), Full-speed devices (12 Mbps), Low-speed devices (1.5 Mbps)
Fibre optic connection	FST
Fibre optic cables	multimode duplex fibre, 50/125 µm maximum fibre length up to 500 m
Wavelength	850 nm
Charging input converter 1	USB powered by connected PC, or 230 VAC. No battery
Charging input converter 2	230 VAC, 50/60 Hz
Operating temperature	0 °C / +40 °C
Operating humidity	20 to 85 % RH
Weight converter 1	2.5 kg
Weight converter 2	3.0 kg
Housing	aluminium
Dimensions converter 1	tbd (LxWxH)
Dimensions converter 2	tbd (LxWxH)

Converter 1:



Converter 2:



Prices and specifications are subject to change without notice! For more details see manual.

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