



- High speed, full speed, low speed
- USB 3.0 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.

Both units are shielded. The host unit is supplied via the USB connection, the client unit is battery powered.

## FEATURES:

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

## ACCESSORIES:

### standard:

- One set consists of two converter units:  
 Host unit (shielded): type USB A  
 (to connect with a PC)  
 Client unit (shielded): type USB A  
 (to connect with peripheral device)
- Incl. special shielded USB-cable, Standard 1.9m
- All interfaces 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

Host unit	Type USB A (to connect with a PC)
Client unit	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 3.0 Gen 1 data rate up to 5 Gbps High-speed devices (480 Mbps), Full-speed devices (12 Mbps), Low-speed devices (1.5 Mbps)
Input signal	max 50V / 1A
Fibre optic connection	FST
Fibre optic cables	Multimode duplex fibre, 50/125 µm Maximum fibre length up to 500 m
Wavelength	850 nm
Power supply host unit	USB powered by connected PC
Power supply client unit	Battery powered
Operating temperature	0 °C / +40 °C
Operating humidity	20 to 85 % RH
Weight host unit	2.5 kg
Weight client unit	3.0 kg
Housing	Aluminium
Dimensions host unit	170 x 127 x 80 mm (LxWxH)
Dimensions client unit	292 x 214 x 90 mm (LxWxH)

Host unit:



Client unit:



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

**PONTIS**  
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