



- 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 V/m

foUSB

In complex testing environments, it is often necessary to transmit electrical signals into or out of the test chamber to connect with the test equipment.

For this purpose, we offer a variety of interfaces that convert electrical signals into optical signals and vice versa. Through this conversion, signals are transmitted via fibre optics, making them immune to electromagnetic fields.

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

FEATURES:

- 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 B
 (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: single mode (9/125 μm), variable lengths FC/FSMA-connector or FC-FC-connector
- FO-Patches (Feed through wall patches)

TECHNICAL DATA

Host unit	Type USB B (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 Host Unit needs to be connected to a USB3 socket
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)
Maximum output power	4.5 W (5 V / 1 A)
Fibre optic connection	FC
Fibre optic cables	Singlemode duplex fibre, 9/125 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)

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

PONTIS
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