



- Autodetect: 10Base-TX, 100Base-TX, 1000Base-T
- >100 m due to fibre optic cables
- 4 x port version available on request
- EMC compliant to CISPR 25, Class5

foEthernet

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: Antenna radiated 200 V/m, 200 MHz – 18 GHz, ISO11452-2, CW, AM, PM; Stripline 200 V/m, 10 – 1 GHz, ISO11452-5, CW, AM, PM
- Emission: EMC compliant to CISPR25 Class 5, 150 k – 4 GHz
- Battery (up to 30 h hours operation)
- Compact metal housing
- No galvanic connection between test equipment and measurement instrument
- ACK and network speed indication
- On Request: a special version with 4 x Ethernet ports is available
- Continuous operation with external 12V/2A power supply possible

ACCESSORIES:

standard:

- One set consists of two converter units
- All interfaces are shipped with the appropriate power supply or battery and charger.

optional:

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

TECHNICAL DATA

| | |
|---------------------------|--|
| Data signaling rate | 100 MBit/s: 100BASE-TX, IEEE 802.3 Clause 25(IEEE 802.3u) 1 GBit/s: 1000BASE-T, IEEE 802.3 Clause 40 (IEEE 802.3ab) both units must run at the same speed! |
| Data transfer direction | bidirectional |
| Connector | 1x Ethernet port RJ45 4 x Ethernet ports version on request available |
| Electrical cable type | shielded twisted pair cable: CAT.6, 100 Ohm, RJ45 - RJ45 |
| Fibre optic connection | FST |
| Fibre optic cables | multimode duplex fibre, 50/125 µm |
| Maximum fibre length | >100 m due to fibre optic cables |
| Wavelength | 1300 nm |
| Charging input | 12VDC, 2A |
| Operating temperature | 0 °C / +40 °C |
| Operating humidity | 20 to 85 % RH |
| Weight per converter | 0.7kg |
| Housing | passivated aluminium, stainless steel, 2 mm |
| Dimensions per Converter: | 105 x 125 x 65 mm (LxWxH) |

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

PONTIS
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A BRAND OF AUDIOVO

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