



- 8 x In, 8 x Out, each channel “RxD+TxD, w/o handshake” or 4 x, each channel “Rx+Tx+TRS+CTS, w handshake”
- Bidirectional, up to 116 kBaud
- >1.000 m, depends on No of Patches
- EMC compliant to CISPR 25, Class5

foRS232

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
- Emission: EMC compliant to CISPR25 Class 5, 150 k – GHz
- Battery (approx. 8 hours operation) or mains powered
- Compact metal housing
- No galvanic connection between test equipment and measurement instruments

Accessories:

Standard:

- One set consists of two converter units:
 - Converter 1: Satellite
 - Converter 2: Transceiver (un-shielded)
- Incl. Modem link cable
- All converters 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

| | |
|------------------------------------|---|
| Converter 1 | satellite (shielded) |
| Converter 2 | transceiver (un-shielded) |
| Data signaling rate | 8 Channel In, 8 Channel Out . Each Channel = pair of „RxD+TxD, without handshake“ (TxD(Channel 0 to 7), RxD(Channel 0 to 7)); alternatively 4 Channels. Each Channel „Rx+Tx+TRS+CTS“, with handshake“ |
| Data transfer direction | bidirectional |
| Data transfer rate | up to 115KBaud (can vary depending on host /client) |
| Electrical connector | RS232 asynchronous: 25 pin (fe)male SUB-D connector. |
| Quantity of data, parity, stop bit | as selected |
| Modem link | converters to be linked via cable: COM-port of host / client |
| Fibre optic connection | FST |
| Fibre optic cables | multimode duplex fibre, 50/125 µm |
| Maximum fibre length | > 1000m, depends on number of Patches |
| Wavelength | 850 nm |
| Charging input converter 1 | mains driven, 230 VAC only. No battery |
| Charging input converter 2 | rechargeable battery (12 VDC), no mains powered |
| Operating temperature | 0 °C / +40 °C |
| Operating humidity | 20 to 85 % RH |
| Weight converter 1 Satellite | 1.7 kg |
| Weight converter 2 Transceiver | 0.6 kg |
| Housing | passivated aluminium, stainless steel, 2mm, silver |
| Dimensions converter 1 Satellite | 185 x 130 x 90 mm (LxWxH) |
| Dimensions converter 2 Transceiver | 85 x 130 x 45 mm (LxWxH) |

Converter 1:



Converter 2:



Prices and specifications are subject to change without notice!

For more details see manual.

PONTIS
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