



- 8 x In, 8 x Out, each channel  
“Rx+Tx, 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 accessories:

- 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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