



- Supports RS485 and RS422
- Bidirectional, up to 10 MBit/s
- Max distance >500 m
- EMC compliant to CISPR25, Class 5

## foRS485/422

The foRS485/422 system allows the connection of RS485 and RS422 networks (DC up to 10 Mbit/s) using two multi-mode fibre optics. The foRS485/422 is designed to work in EMC critical environment. Additional benefits of optical transmission is the potential separation of the two units.

The foRS485/422 offers a switchable termination 120 Ohm with and without a bias network with 680 Ohm at D+ to +5 V and 680 Ohm at D- to GND.

The device is fully transparent to RS485 and RS422 data. The device is capable of driving huge bus loads at larger networks are possible, up to 10 nF.

No buffering of data, so no problems in real time networks occur.

An optional shielded power supply allows continuous operation or charging during operation

## Features:

- RF-Immunity: works appropriate, no test report
- Emission: EMC compliant to CISPR25 Class 5, 150 k – 4 GHz
- Battery (approx. 30 hours operation)
- Opt. 12 V power supply for continuous use
- Compact metal housing
- No galvanic connection between test equipment and measurement instruments

## Accessories:

### Standard:

- One set consists of two converter units
- All converters are shipped with the appropriate power supply (also used for charging)

### Optional:

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

## Technical Data

Data transfer rate	up to 115 KBaud ( can vary depending on host /client)
Electrical connector	DSUB 9pin
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	rechargeable battery (12 VDC)
Operating temperature	0 °C / +40 °C
Operating humidity	20 to 85 % RH
Weight	1.1 kg
Housing	Aluminium
Dimensions	100 x 100 x 60 mm (LxWxH)

Prices and specifications are subject to change without notice!

**PONTIS**  
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A BRAND OF AUDIOVO

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