foRS485/422

PONTIS
EMC PRODUCTS

- 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 enables the connection of RS485 and RS422 networks (DC up to10 Mbit/s) using two multimode fibre optic cables. The foRS485/422 is designed for operation in EMC critical environments. An additional benefit of optical transmission is the potential separation of the two units.

The foRS485/422 features a switchable 120 Ohm termination 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 large bus loads with extended network sizes up to 10 nF bus capacity.

As no data buffering is used, real-time network operations can be handled without added latency.

An optional shielded power supply enables continuous operation or any network protocol can also be used.

FEATURES:

- 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 charching)

optional:

- Fibre optic cables: variable lengths ST/FSMA-connector or ST/ST-connector
- FO-Patches (feed through wall patches)

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TECHNICAL DATA

Data transfer rate	up to 10 Mbit
Electrical connector	DSUB 9pin
Fibre optic connection	FST
Fibre optic cables	multimode duplex fibre, 50/125 µm
Maximum fibre length	>300m, depends on number of patches and data speed
Wavelength	850 nm
Charging input	rechargeable battery (12 V DC)
Operating temperature	0 °C / +40 °C
Operating humidity	20 to 85 % RH
Weight	1.1 kg
Housing	Aluminium
Dimensions	145 x 125 x 80 mm (LxWxH)

Prices and specifications are subject to change without notice!

PONTIS EMC PRODUCTS
A BRAND OF AUDIVO

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