



- 1 – 20 kbit/s
- Switchable terminator
- Switchable foLIN device power: from LIN-bus or from built-in battery
- Max. distance : 100 m
- EMC compliant to CISPR 25, Class5

## foLIN

In complex testing environments, it is often necessary to transmit electrical signals into or out of the test chamber to connect with the test equipment.

For this purpose, we offer a variety of interfaces that convert electrical signals into optical signals and vice versa. Through this conversion, signals are transmitted via fibre optics, making them immune to electromagnetic fields.

A sophisticated shielding and filtering concept ensures that the interfaces are highly immune against radiation and do not emit any significant interference.

## FEATURES:

- RF-Immunity:
  - Antenna radiated 200 V/m, 200 MHz – 18 GHz, CW, AM, PM
  - Stripline 200 – 600 V/m, 10 kHz – 1 GHz, 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
- Built in battery supply, foLIN can be self-sustaining foLIN can also be powered by DUT/LIN bus
- Master/Slave termination switchable (1 kOhm and Diode in series)
- Protocol transparent, bus errors are also transmitted
- Continuous operation with external 12 V / 2 A 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	up to 20kBit/s
Data transfer direction	bidirectional
Electrical connection	9 pol female D-SUB
LIN bus operating voltage	continuous 8-27V, load dump 43V
Compatibility	can operate with 24 V vehicles
Fibre optic connection	FST
Fibre optic cables	multimode duplex fibre, 50/125 µm maximum fibre length 100 m, depends on No of FO patches between converters
Wavelength	850 nm
Charging input	12 V DC, 2A
Operating temperature	-10 °C / +50 °C, not condensing
Operating humidity	20 to 85 % RH
Weight per converter	0.7 kg
Housing	passivated aluminium, grey-black
Dimensions per converter	135 x 115 x 70 mm (LxWxH)

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

**PONTIS**  
EMC PRODUCTS  
A BRAND OF AUDIOVO

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