



- Low speed ISO 11898-3 up to 125 kbit/s
- High speed ISO11989-2 20–1,000 kbit/s
- Unbuffered
- Long battery life up to 30 hrs
- EMC compliant to CISPR 25, Class 5 -10 dB

## foCAN LS, HS/FD

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.

Separate versions for Low Speed and for Flexible Data rate (incl. High Speed) are available.

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

## Features:

- RF-Immunity: Antenna radiated 200 V/m, 200 MHz –18 GHz, ISO11452-2, CW, AM, PM  
Stripline 600 V/m, 10 – 1 GHz, ISO11452-5, CW, AM, PM
- Emission: EMC compliant to CISPR25 Class 5, 150 k-4 GHz, Battery version: -10 dB
- Battery (up to 30 hours operation)
- Opt. 12 V power supply for continuous use
- Compact metal housing
- No galvanic connection between test equipment and measurement instrument
- Max. distance: 10 m at 1000 kbit (longer length at lower speed 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)
- Shielded power supply

## Technical Data

Physical CAN specification LS	ISO 11898-3, up to 125 kBit/s
Selectable CAN bus termination LS	500 Ohm to 5 kOhm
Physical CAN specification HS/FD	ISO 11898-2, 20-1000 kBit/s
Selectable CAN bus termination HS/FD	120, 60 Ohm or none
Allowed CAN-DC-levels	Up to +30V, CAN H/CAN L to GND
Recessive bus level	2,5V to GND
Selectable CAN bus termination	120, 60 Ohm or none
Data transmission	transparent, unbuffered
Electrical connector	DSUB, 9-pin, male, 2 Can L, 3 GND, 7 Can H
Fibre optic connection	FST
Fibre optic cables	multimode duplex fibre, 50/125 µm maximum fibre length depends at operation mode an CAN bus speed 10 m at 1000 kbit, longer length at lower speed possible
Wavelength	850 nm
Power supply and charging	12V DC, 1A
Battery	up to 30 hours, recharging during operation with shielded power supply
Operating temperature	0 °C / +40 °C
Operating humidity	20 to 85 % RH
Weight	1.1 kg
Housing	passivated aluminium, grey-petrol
Dimensions	103 x 127 x 67 mm (LxWxH)



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

**PONTIS**  
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