



- High speed ISO11989-2
- 50–1000 KBaud (down to 10 on request)
- Unbuffered
- Distance depends on speed
- EMC compliant to CISPR 25, Class 5. Battery version -10 dB

## foCAN (v 4.0)

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: 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 (approx. 8 hours operation) or mains powered
- 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)

## Technical Data

Allowed CAN-DC-levels	Up to +30V, CAN H/CAN L to GND
Recessive bus level	2,5V to GND
Physical CAN specification	ISO 11898-2, 20-1000 kBit/s
Selectable CAN bus termination	120, 60 Ohm or none
Data transmission	transparent, unbuffered
Data signaling rate	50 – 1000 Kbaud (down to 10 in special conditions, on request)
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
Charging input	12V DC, 1A, mains power supply or rechargeable battery
Compatibility	can operate with 24 V vehicles
Operating temperature	0 °C / +40 °C
Operating humidity	20 to 85 % RH
Weight per converter	0.8 kg
Housing	passivated aluminium, grey-petrol
Dimensions per converter	103 x 127 x 67 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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