



- Low speed ISO 11898-3 up to 125 kbit/s
- High speed ISO11899-2 20–1,000 kbit/s
- Flexible data rate (FD) ISO 11898-2:2016
- Unbuffered
- EMC compliant to CISPR 25, Class 5 -10 dB

foCAN LS, HS/FD

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.

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 (up to 30 h hours operation)
- 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)
- Integrated ESD Protection circuit (for DUT test) according to: IEC 61000-4-2; level 4 (ESD) > 15 kV (air); > 8 kV (contact) MIL-STD-883; class 3 (human body model) > 4 kV
- 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

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 HS/FD	Up to +30 V, CAN H/CAN L to GND
Recessive bus level HS/FD	2,5 V to GND
Selectable CAN bus termination HS/FD	120, 60 Ohm or none
Data transmission	transparent, unbuffered
Electrical connector HS/FD	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
Wavelength	850 nm
Charging input	12 V DC, 2 A
Compatibility	can operate with 24 V vehicles
Operating temperature	-10 °C / +50 °C, not condensing
Operating humidity	20 to 85 % RH
Weight	0.8 kg
Housing	passivated aluminium
Dimensions	103 x 127 x 67 mm (LxWxH)

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

PONTIS
EMC PRODUCTS
A BRAND OF AUDIOVO

PONTIS EMC Products designed and manufactured by:

Audiovo GmbH
Irrenloher Damm 30
92521 Schwarzenfeld
Germany

Phone +49(9435) 54 19-0
Fax +49(9435) 54 19-19
info@audiovo.com
www.audiovo.com

You can contact directly our local partners for sales and technical support



www.hvtechnologies.com



india@pontis-emc.com



zongkui.shao@pontis-emc.com