USB-MODBUS Interface

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Modbus compatible USB 2.0 full speed device

Virtual com-port drivers Win-7/8, Win Vista and Win XP compatible

FUNCTION

Enables communication with the LogiCO2 CO2 Sensors. The Converter comes with a 3 meter screened cable with RJ45 In combination with the different LogiCO2 software, this USB-MODBUS interface connector has visual indicators (Leds) : 2 (Rx and Tx) and allows speeds up to 1 Mb.

TECHNICAL DATA

Isolated USB - Modbus / RS485 converter

The USB485-MB45 is a 2 wire RS485 adapter, with automatic receive / transmit switching, and RJ45 connection according to the Modbus specifications.

The USB485-MB45 have a 2.5kV isolation barrier that ensures a high quality electrically separation between the PC and remote device, thus offering excellent protection of the PC if the remote device should fail.

Easy to install - easy to use.

Just connect it, install the drivers, and use it like any other comport in the PC.

Com-port specs

Baud rates :   300, 600, 1200, 1800, 2400, 4800,7200, 9600, 14400, 19200, 38400, 57600,115200, 230400, 460800, 921600 Bps
Start bits :   1
Data bits: 7, 8
Parity: None, even, odd, mark, space
Stop bits: 1, 2
Flow control: Auto switching
Buffers: 128 bytes Rx and 256 bytes Tx fifo.

RS485 specifications

Powerful RS485, able to drive 256 nodes
±15 kV ESD protection on RS485 pins
No termination resistor
Fail safe

Modbus connections – RJ45

According to Modbus specification "Modbus over serial line"

- Pin 4 : B (D-)
- Pin 5 : A (D+)
- Pin 8 : Gnd.