

SID

SDI-12 Interface Dongle

The SID is a handy device enabling the user to talk with any SDI-12 sensor simply using a PC and terminal program. SID is designed for use by AWS network maintainers and calibration laboratories. It has a very easy-to-use functionality.



Powers the sensors from USB, or external power supply



Two connectors for SDI-12 sensors



Virtual USB serial port, RS-232 port



Bus monitor function



Bus voltage analyzer function

SDI-12 data logger

SID acts as an SDI-12 data logger, which transmits commands to a sensor and collects its responses. It is designed to substitute complicated, big and expensive loggers by a small and simple device. It is ideal for testing sensor responses, setting address etc. After power-up, SID is ready to work. No settings are required. SID can supply the sensors by up to 2 A current at 12 V by connecting an external power supply.

Bus monitor

By simply connecting it to an existing SDI-12 bus, SID will listen to the ongoing communication and retransmit it to both RS-232 and virtual USB bus. This may be helpful when debugging a system with data logger and sensors connected to it.

Bus voltage analyzer

SID is capable of sampling analog voltage values on the SDI-12 bus. This is an advanced function for debugging of SDI-12.

Technical parameters

Interfaces	RS-232, USB (virtual COM port)
RS-232 connector	DB9, female
USB connector	mini USB
Baud rate	9600, 8N1
External power supply (supplied)	12 V DC, 2 A
Supply for SDI-12 sensor	12 V DC, 2 A max.
Dimensions (without connectors)	81 x 50 x 18 mm
Supply for SDI-12 sensor from USB	12 V DC, 100 mA

