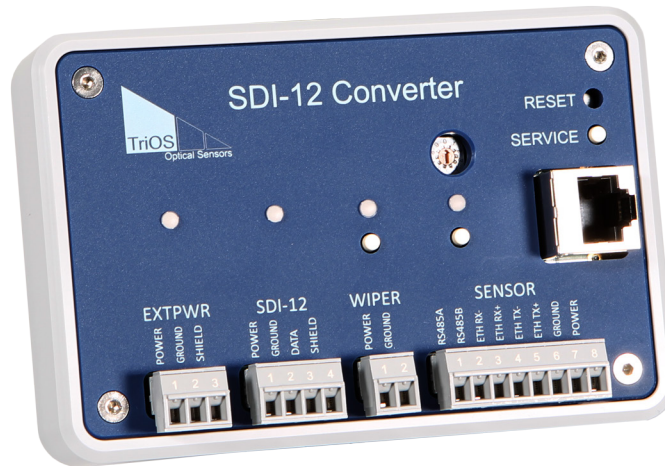


SDI-12 Converter

11C100001



The **SDI-12 converter** translates the Modbus protocol used by TriOS sensors into SDI-12 and thus serves as an interface between the sensors and the SDI-12 interface of the peripherals.

The SDI-12 converter translates the Modbus protocol used by TriOS sensors into SDI-12 and thus serves as an interface between the sensors and the SDI-12 interface of the peripherals. Due to its low standby power (< 20 mW) it is perfectly suited for operation with a battery as power supply. Four status LEDs inform the user continuously about the current operation mode and power supply. Both, measurements with G2 sensors and wiper cleaning cycles can be controlled via the converter. The implemented Ethernet interface allows data export and sensor configuration via the web interface.

With three manual buttons Sensor Scan, Wiper Cleaning and Service Mode can be activated. The position of the rotary encoder determines the sensor address via which the sensor is addressed.

SDI-12 Converter

Technical Specifications

EXTERNAL POWER SUPPLY

Spannungsversorgung	12...24 VDC (± 10 %)	
Anschlussklemme	1.5 mm ²	AWG 16

SDI-12 INTERFACE

Power supply	10...24 VDC (± 10 %)	
Power consumption in standby	< 20 mW	
Protocol	SDI-12	

WIPER INTERFACE

Connection terminal	1.5 mm ²	AWG 16
Standard	W55 Wiper	

SENSOR INTERFACE

Connection terminal	1.5 mm ²	AWG 16
Standard	RS485	
Protocol	Modbus RTU	

NETWORK*

Standard	Ethernet	
Connection	RJ45	

AMBIENT

Operating temperature	0...+40 °C	~ +32 °F to +104 °F
Storage temperature	-10...+70 °C	~ 14 °F to 158 °F
Relative air humidity	0...95 % (non-condensing)	
Protection type	IP30	NEMA 1

DISPLAY

LED	4x RGB Status LED	
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MECHANICS

Housing material	PVC, Perspex	
Dimensions (L x W x H)	120 mm x 80 mm x 45mm	~ 4.7" x 3.2" x 1.8"
Weight	250 g	~ 0,6 lbs
Maintenance effort	-	
Calibration/maintenance interval	-	
System compatibility	SDI-12	
Warranty	1 Year (EU & US: 2 Years)	

* Only available if the connected sensor has an Ethernet interface.