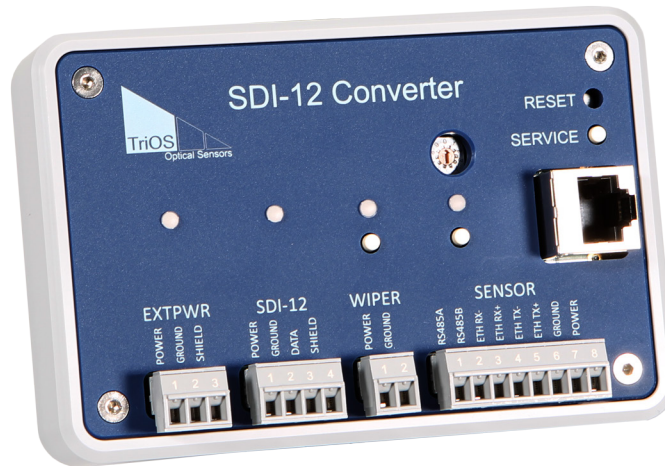


## SDI-12 Converter

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

<b>Spannungsversorgung</b>	12...24 VDC (± 10 %)	
<b>Anschlussklemme</b>	1.5 mm <sup>2</sup>	AWG 16

### SDI-12 INTERFACE

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

### WIPER INTERFACE

<b>Connection terminal</b>	1.5 mm <sup>2</sup>	AWG 16
<b>Standard</b>	W55 Wiper	

### SENSOR INTERFACE

<b>Connection terminal</b>	1.5 mm <sup>2</sup>	AWG 16
<b>Standard</b>	RS485	
<b>Protocol</b>	Modbus RTU	

### NETWORK\*

<b>Standard</b>	Ethernet	
<b>Connection</b>	RJ45	

### AMBIENT

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

### DISPLAY

<b>LED</b>	4x RGB Status LED	
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### MECHANICS

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

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