

## TriBox Mini

20C000000

### 2-channel digital controller

Digital 2-channel controller with 2 digital sensor inputs and 2 x 4...20 mA outputs. The digital 2-channel controller is compatible with all digital TriOS sensors. All measurement data and diagnostic data can be read out via a built-in web browser.

### Benefits

- Open Modbus RTU communication
- For all digital TriOS sensors
- Low-cost alternative to analog measuring points
- Integrated data logger with service logbook
- WiFi for communication via web browser



## Technical Specifications

### ENERGY SUPPLY

<b>Voltage supply</b>	85-265 VAC, 50-60 Hz, 10-15 VDC
<b>Power consumption</b>	typical: 2 W, max: 40 W

### SENSOR INTERFACES

<b>Connection</b>	2 x M12 industrial connectors for TriOS sensors
<b>Standard</b>	RS-232, RS-485
<b>Protocol</b>	Modbus-RTU, TriOS

### MODBUS RTU

<b>Server RTU</b>	No
<b>Client RTU</b>	Yes (on each sensor connection)
<b>Parameter</b>	Adjustable (default: 9600-8-N-1)

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## NETWORK/USB

<b>Standard</b>	WiFi IEEE 802.11b/g/n
<b>Connection</b>	Built-in WiFi antenna
<b>Protocol</b>	TCP/IP
<b>Web Interface</b>	Yes
<b>USB</b>	No

## ANALOG INTERFACES

<b>Analog output</b>	2 x analog outputs, configurable 4...20 mA
<b>Load</b>	Max. 500 $\Omega$
<b>Connection terminals</b>	1.5 mm <sup>2</sup> (AWG 16)
<b>Error indicator</b>	No

## SWITCH INPUT/OUTPUT

<b>Measuring trigger</b>	No
<b>Control voltage</b>	12 VDC (only for TriOS accessories), terminal: max. 2.5 mm <sup>2</sup> (AWG14)

## RELAY OUTPUTS

<b>Electrical specification</b>	1 x relay switching contact (SPDT)/250 VAC, 2 A/30 VDC, 2 A
<b>Connection terminals</b>	Max. 2.5 mm <sup>2</sup> (AWG14)

## COMPRESSED AIR CLEANING

<b>Valve</b>	Optional: external connection possible
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## DISPLAY

<b>Display</b>	3.5 inch capacitive touch display (320x240 pixels)
<b>LED</b>	5 x status LED

## DATA STORAGE

<b>Storage medium</b>	Internal 2 GB microSD card
<b>Data export</b>	Via WiFi (compressed tar file)

## AMBIENT

<b>Operating temperature</b>	0...+40 °C
<b>Storage temperature</b>	-20...+70 °C
<b>Relative air humidity</b>	0...95 % (non-condensing)
<b>Protection type</b>	IP65

## MECHANICS

<b>Dimensions</b>	150 x 139 x 80 mm
<b>Weight</b>	1.6 kg
<b>Materials</b>	Housing: Aluminium die-cast alloy Front panel: acrylic glass (PMMA)