TriBox mini
Controller

For digital sensors

Photometer

Fluorometer

Amperometry

Sensors

Controller

Accessories

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Control unit for digital sensors

2-channel digital transmitter, with 2 inputs for digital sensors and 2 analog outputs 4 ... 20 mA.

The TriBox mini is compatible with all TriOS digital sensors, the measurement data and sensor configuration information are accessible through an interface accessible on a web browser, with connection via Wifi.

This module allows the triggering of a relay output in the event of a programmed threshold being exceeded and also allows the control of an injection of compressed air for the automatic cleaning of the sensors.

TriBox mini NET

The «NET» version of the controller has an Ethernet connection on sensor input 2 (to be ordered with the special M12-RJ45 cable adapter).

Advantages

· Mobdus RTU communication possible
· Suitable for all digital TriOS sensors
· Integrated data storage
· Wifi connection for interface access on web browser
· Capacitive touch screen
· Outdoor installation possible
· G2 interface

The TriBox mini is equipped with two sensor inputs with M12 connectors.

The connection of the analog outputs, the relay and the compressor control is made via the two cable glands on the left. The power cable is already installed (bottom right).

-TriBox mini connections

aquams

TriBox mini
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Technical specifications

Input voltages	100 ... 240 VAC (50 ... 60 Hz), 10 ... 15 VDC	
Consumption	Standard : 2W, max : 40 W	

Log in	2 x M12 industrial connectors for TriOS sensors	
Standard	RS-232, RS-485	
Protocol	Modbus-RTU, TriOS Protocol	

RTU server	No	
RTU Client	Yes (on each sensor)	
Parameters	Adjustable (default: 9600-8-N-1)	

Standard	TriBox mini	WiFi IEEE 802.11b / g / n	
	TriBox mini NET	Ethernet IEEE 802.3i	
Log in	TriBox mini	Integrated WiFi antenna	
	TriBox mini NET	COM2 sensor interface (right)	
Protocol		TCI/IP	
Web interface		Yes	
USB		No	

Analog output	2 x configurable analog outputs 4 ... 20 mA	
Charged	Max. 500 Ohms	
Terminal blocks	1,5 mm2	16 AWG

Specifications	1 x contact relay (SPDT) / 250 VAC, 2 A / 30 VDC, 2 A	
Terminal block	Max. 2,5 mm2	Max. 14 AWG

Valve	Optional: external connection possible controlled by the transmitter

Screen	3.5 'capacitive touchscreen (320 x 240 pixels)
Condition	5 x status LED on the front

Internal	2 GB microSD card
Data export	Via WiFi (compressed tar file) / via Ethernet

Operating temperature	-10 ... +50 ° C (with pre-installed cable +5 ... +40 ° C)
Storage temperature	-20 ... +70 °C
Max humidity air in use	95%
Protection sign	IP65

Dimensions	150 x 139 x 80 mm
Weight	1,6 kg
Materials	Die-cast aluminum alloy body, acrylic glass front panel

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