

TriBox mini

20C000000

Digital 2-channel controller

Digital 2-channel controller with 2 digital sensor inputs and two 4...20 mA outputs. The digital 2-channel controller is compatible with all digital TriOS sensors. All of the measured values and diagnostics data that are saved can be selected using an integrated web browser.

Benefits

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



TriBox mini NET

20C100000

Instead of WiFi, the TriBox mini NET has an Ethernet connection via the right port.

Technical Specifications

Voltage supply	100...240 VAC, 50...60 Hz, 10...15 VDC
Power consumption	Typ: 2 W, max.: 40 W
Connection	2 M12 industrial connectors for TriOS sensors
Standard	RS232, RS485
Protocol	Modbus RTU, TriOS
Server RTU	no
Client RTU	yes (on each sensor connector)
Parameters	Adjustable (default: 9600-8-N-1)

TriBox mini

Standard	TB mini	WiFi based on IEEE 802.11b/g/n	
	TB mini NET	Ethernet based on IEEE 802.3i	
Connection	TB mini	Built-in WiFi antenna	
	TB mini NET	COM2 sensor interface (right) with M12→RJ45 cable	
Protocol		TCP/IP	
Web interface		yes	
USB		no	
Analog output		2 analog outputs, configurable 4...20 mA	
Load		max. 500 Ω	
Connection terminals		1.5 mm ²	16 AWG
Error indicator		no	
Measurement trigger		no	
Control voltage		12 VDC (only for TriOS accessories) terminal: max. 2.5 mm ²	12 VDC (only for TriOS accessories), terminal: max. 14 AWG
Electrical specification		1 relay changeover contact (SPDT) / 250 VAC, 2 A / 30 VDC, 2 A	
Connection terminals		max. 2.5 mm ²	max. AWG 14
Valve		Optional: external connection possible	
Display		3.5 inch capacitive touch display (320x240 pixels)	
LED		5 status LEDs	
Storage medium		Internal 2 GB microSD card	
Data export	TB mini	Via WiFi (compressed tar file)	
	TB mini NET	via Ethernet (compressed tar file)	
Operating temperature		0...+40 °C	~ +32 °F to +104 °F
Storage temperature		-20...+70 °C	~ -4 °F to +158 °F
Relative air humidity		0...95 % (non-condensing)	
Protection type		IP65 (the network cable has a lower protection class)	NEMA 4X (the network cable has a lower protection class)
Dimensions (width x height x depth)		150 x 139 x 80 mm	~ 5.9" x 5.5" x 3.2"
Weight		1.6 kg	~ 3.5 lbs
Materials		Housing: Aluminium die-cast alloy Front panel: acrylic glass (PMMA)	