



TriBox mini NET

20C10000X



Digital 2-channel controller

The TriBox mini NET is a digital 2-channel controller with two digital sensor inputs and 2 x 4 ... 20 mA outputs. The controller is compatible with all digital TriOS sensors. All stored measured values and diagnostic data can be read out via an integrated web browser.

The TriBox mini NET has an Ethernet connection via the right-hand port. The TriBox mini NET is also available in connection variants for the USA, Australia and New Zealand.

Advantages

- Open Modbus RTU communication
- Cost-effective alternative to analog measuring points
- Integrated data logger with service logbook

Applications

- For all digital TriOS sensors with Modbus communication

Variants

Model	Item number
TriBox mini NET	20C100000
TriBox mini NET / US version	20C100002
TriBox mini NET / NZ & AU version	20C100003

Technical specifications

Power supply	100 - 240 VAC, 50 - 60 Hz, 10 - 15 VDC
Power consumption	Typically: 2 W, max: 40 W
Connection	2 x M12 industrial connectors for TriOS sensors
standard	RS-232, RS-485
Protocol	Modbus RTU, TriOS
Server RTU	No
Client RTU	Yes (at each sensor connection)
Parameters	Adjustable (default: 9600-8-N-1)
Standard	Ethernet according to IEEE 802.3i
Connection	Sensor interface COM2 (right) with M12 to RJ45 cable
Protocol	TCP/IP
Web interface	Yes
USB interface	No
Analog output	2 x analog outputs, configurable 4 ... 20 mA
Load	Max. 500 Ω
Connection terminals	1.5 mm ² (AWG 16)
Error indicator	No
Measuring trigger	No
Control voltage	12 VDC (only for TriOS accessories), connection terminal: max. 2.5 mm ² (AWG14)
Electrical specification	1 x relay changeover contact (SPDT) / 250 VAC, 2 A / 30 VDC, 2 A
Connection terminals	Max. 2.5 mm ² (AWG14)
Valve	Can be connected externally as an option

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Display	3.5 inch capacitive touch display (320 x 240 pixels)	
LED	5 x status LED	
Storage medium	Internal 2 GB microSD card	
Data export	Via Ethernet (packed tar file)	
Operating temperature	0...+40 °C	~ +32 °F to +104 °F
Storage temperature	-20...+70 °C	~ -4 °F to +158 °F
Relative humidity	0...95 % (non-condensing)	
Protection class	IP65 (The network cable has a lower protection class)	
Dimensions (H/W/D)	150 x 139 x 80 mm	~ 5.9" x 5.5" x 3.2"
Weight	1.6 kg	~ 3.5 lbs
Materials	Housing: Die-cast aluminum alloy Front panel: Acrylic glass (PMMA)	