DATA SHEET

Wireless data logger LogBox WiFi

B|B SENSORS

Description

failures
- Wireless communication via WLAN (WiFi 802)
- Configuration and data download via USB or WLAN
- Alarm notification via e-mail
- WLAN data communication with NXperience, cloud systems or SCADA
- Modbus TCP and MQTT protocol

Areas of application

- Monitoring of large facilities with existing WLAN infrastructure
- Monitoring of cold chains
- Monitoring of logistics distribution centers and warehouses
- Monitoring of commercial and industrial refrigeration

Features

WiFi data logger with internal memory for three external analogs and one digital probe.

LogBox Wi-Fi is an IoT device with integrated data logging function, with an internal memory for up to 140 000 measurements, and Wi-Fi connectivity. It enables remote data monitoring and logging in facilities with Wi-Fi infrastructure. Data can be accessed remotely, wirelessly and also centrally via SCADA applications, cloud dashboard or NXperience software. Easy installation and wireless (Wi-Fi) accessibility are highlights of this device.

The device has three universal analog inputs and one digital input, which can work as a pulse counter (flow sensor) or event recorder (opening / closing doors). LogBox Wi-Fi has MQTT protocol to publish data in IoT brokers, cloud or SCADA systems and Modbus TCP protocol to work as a slave in SCADA systems.

The device provides uninterrupted recording of data due to its 2-year autonomous backup battery, even in case of power supply or wireless link failures. LogBox Wi-Fi can be used to meet the safety requirements of FDA regulation Title 21 CFR Part 11.

Software

The software can be downloaded free of charge from our download center using the article number: **bb-sensors.download**

Technical Data

Wireless data logger LogBox WiFi	
Description	LogBox WiFi
Analog inputs	3x Analog for thermocouples J,K,T,N,E,R,S,B, Pt100, voltage 0-50mV, 0-5V, 0-10V and electricity 0-20mA or 4-20mA
Digital inputs	1x digital for puls and event counter as well as Start Logger
Digital output	1x PNP (as digital switch or alarm)
Display	4 1/2 Digit, 3-rows
Resolution	15 Bit (analog) 16 Bit (digital)
Storage capacity	140.000 measurements
Measuring interval	1 sec. up to 18 hour
Communication interfaces	WiFi 802, 11 b/g/n and USB, configuration Software Nxperience (Windows), Cloud communication, MQTT, Modbs TCP
Protection	IP40
Dimensions	120 x 100 x 40 mm
Power supply	10 - 30 VCC
Back-up batteries	4 AA alkaline With typicial autonomy: 2 years (WiFi turned off)
Scope of delivery	Data logger, battery, 4x AA alkaline

Performance features

- 3 universal inputs for the most common analog signals
- Internal memory for up to 140,000 measured values
- Internal batteries for uninterrupted data recording, even power

Technical changes reserved
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