



ADAPTER BA-BLE 5.0 LR

TEMG.422133.001-01 DS

Datasheet

Serial number S

Date D

MAC-address M



1 GENERAL INFORMATION

Device full designation: ADAPTER BA-BLE 5.0 LR

Device code designation: TEMG.422133.001

Unit serial number: S

Date of production: D

2 GENERAL INFORMATION

2.1 Wireless ADAPTER BA-BLE 5.0 LR (hereinafter - BA-BLE adapter or Device) is designed to function as a Bluetooth receiver capable of collecting the data received from up to 10 BLE sensors paired with it and further retransmitting the collected data via Bluetooth to a smartphone with the Escort Configurator app or to a GPS tracker/gateway via the RS-232 and RS-485 wired interfaces in accordance with the LLS data communication protocol.

2.2 **DO NOT DISASSEMBLE THE DEVICE!**

2.3 **DO NOT USE THE DEVICE UNDER THE OPERATING CONDITIONS DIFFERENT FROM THE STATED IN THE PRESENT DATASHEET!**

2.4 **AVOID ANY MECHANICAL DAMAGE TO THE DEVICE DURING ITS TRANSPORTATION, INSTALLATION AND USE.**

3 DATASHEET

Spec	Value
Power supply voltage, V	from 9 to 36
Power consumption (current) , mA, not more than	50
Wired communication interfaces (for connection with GPS trackers/gateways and wired sensors) Data exchange protocol(s) Data exchange baud rate, bps	RS-485, RS-232 LLS, Modbus RTU 19200
Wireless sensor/mobile device communication interface	Bluetooth LE (BLE)
Data communication protocol(s)	Escort BLE
Bluetooth Standard	Bluetooth Low Energy 5 LR coded PHY (central) Bluetooth Low Energy 4 (connection, advertising)
Receiver sensitivity / transmitter power, dBm	-96 / 8
Operating frequencies, GHz	from 2.402 to 2.480
Supported number of sensors (both wireless and wired)	10
Max LLS network addresses	40
Ingress protection marking	IP67
Operating conditions: - ambient temperature, °C - min and max ambient temperature, - atmosphere pressure, kPa	from -45 °C to 50 °C from -45 °C to 85 °C from 84 to 106.7
Dimensions, mm, not more than	400x64x16
Weight, not more than	0.2

4 SCOPE OF DELIVERY

Item	Qty	S/ N	Note
ADAPTER BA-BLE 5.0 LR TEMG.422133.001	1		
ADAPTER BA-BLE 5.0 LR Datasheet TEMG.422133.001-01 DS	1		
Packaging TEMG.465966.001	1		
The manufacturer reserves the right to make changes in the product's design and in its scope of delivery without prior notice to the customer.			

5 PRECAUTIONARY MEASURES

During the installation, operation and maintenance of the Device follow general safety instructions for electric devices and equipment.

6 SERVICE AND SHELF LIFE, WARRANTY

6.1 Guaranteed service and shelf life is 12 months after the Device is shipped from the manufacturer.

6.2 Service life – 5 years.

6.3 The manufacturer guarantees that the Device meets all specifications and requirements if the user adheres to transportation, storage and operation requirements.

6.4 If any defect is found, contact the manufacturer.

6.5 The warranty does not cover any defects caused by failure to meet the operation, storage and transportation requirements.

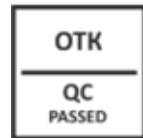
6.6 The manufacturer reserves the right to make changes in the Device's design and in its scope of delivery without prior notice to the customer.

7 DATE OF MANUFACTURE AND ACCEPTANCE CERTIFICATE

ADAPTER BA-BLE 5.0 LR s/n ___ S ___ date ___ D ___ is manufactured in accordance with all relevant requirements and specifications stated in the technical documentation and is approved for use.

8 PACKING CERTIFICATE

ADAPTER BA-BLE 5.0 LR s/n ___ S ___ date ___ D ___ is manufactured in accordance with all relevant requirements and specifications stated in the technical documentation and is approved for use.



9 INSTALLATION CERTIFICATE

Wireless ADAPTER BA-BLE 5.0 LR. s/n_____S_____ is installed in accordance with the relevant technical requirements and specifications stated in the technical documentation:

Name serial number / public number

signature Full name day, month, year

Notes

10 TRANSPORTATION AND STORAGE

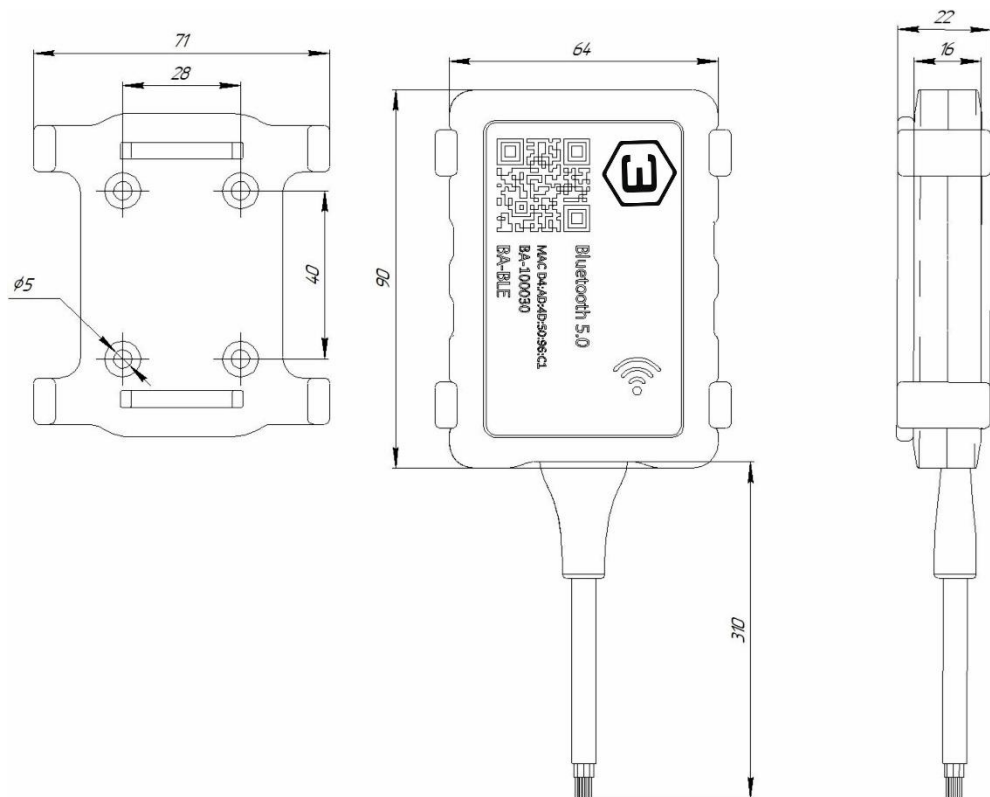
The Device shall be transported in the original packaging in enclosed vehicles or craft. Store in dry places at temperatures of +10 °C to +30 °C and humidity not higher than 75 %. Do not store in spaces with conductive dust, aggressive substances and their vapors that cause corrosion of parts and destruction of electrical insulation of the Device.

11 DISPOSAL REQUIREMENTS

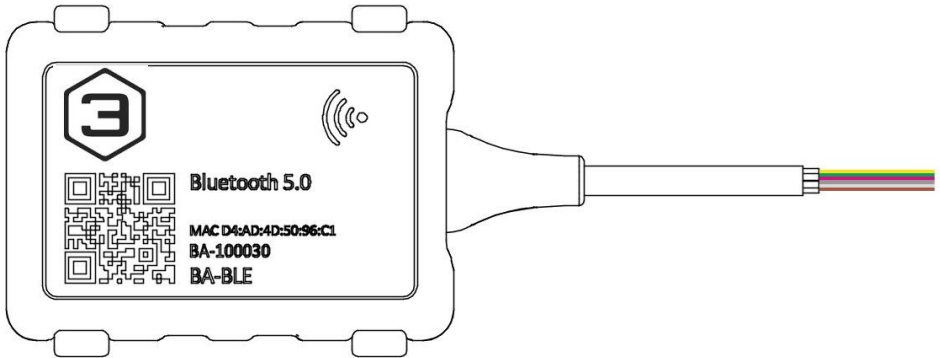
11.1 The Device shall be disposed by the user in accordance with the regulations applicable the country where the sensor is operated.

11.2 The Device does not contain precious metals in the amount to be accounted for.

APPENDIX 1 BA-BLE design dimensions and fitting dimensions



APPENDIX 2 ADAPTER BA-BLE 5.0 LR electric properties



Wire colors	Grid
Yellow	RS-232 RX
Green	RS-232 TX
Brown	RS-485 A
White	RS-485 B
Gray	-U pwr (GND)
Pink	+ U pwr (PWR)

Notes on operation and storage