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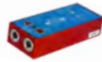
Thank you for choosing WYLER!

Read this quick reference before start working with the **BlueTC**.
Please note the safety instructions.

Brand:
Types:

BlueTC

016-003-001-F



BlueTC

016-003-003-F (with battery pack)



Warning!

- The following sign is used in this Quick Reference:
- This is intended to indicate special danger.



Safety instructions

The **BlueTC** complies with the applicable directives and standards, see:

- This Quick Reference, the type label
- The CE Declaration of Conformity at www.wyl.com

Intended Use

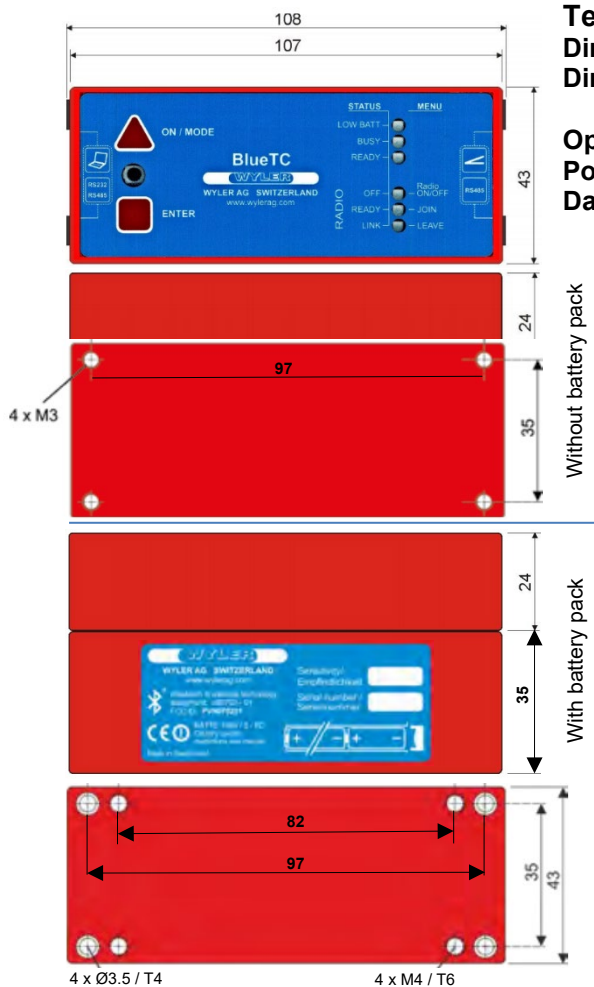
- The **BlueTC** is designed as a remote device for wireless connection of our ZEROTRONIC and ZEROMATIC sensors with our remote display BlueMETER SIGMA.
- **Attention!** There is no other use allowed!

Not intended use

- Do not use as a hammer!
- Do not throw the device! The housing can cause serious injury.



- Do not use this device near sources of strong electromagnetic energy Radiation (e.g., unshielded radio frequency source) because they can interfere with operation.



Technical data

Dimension: LxWxH 108x43x24 mm

Weight: 150 g

Dimension with battery pack: LxWxH 108 x43 x59 mm

Weight: 500 g

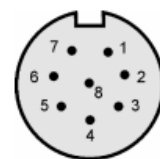
Operation/storage temperature: 0° up to +40° C / -20° up to 70°C

Power supply:

5V DC (max.450 mA) 8..28V DC

Data format:

Pinout Port



A1, A2

Pin	Name	Description
1	+24 V	+ 24 V DC power
2	GND	Ground
3	+ 5 V	+5 V DC power
4	RTA / TX	WYLER RS485 channel A or RS232 transmit line
5	RTB	WYLER RS485 channel B
6	RX	RS232 receive line
7	RTS	RS232 request to send
8		Not used

B1, B2

Pin	Name	Description
1	+24 V	+ 24 V Power
2	GND	Ground
3	+ 5 V	+5 V Power
4	RTA	Wyler RS485 channel A
5	RTB	Wyler RS485 channel B
6	--	Not used
7	--	Not used
8	--	Not used

Standard scope of delivery: BlueTC, Quick Reference (data sheet: www.wylerag.com)

Overview

Special definition:

- 1 Firmware update via cable
- 2 External power supply 24V DC only
- 6 Sensor 1 socket
- 7 Sensor 2 socket



Battery pack

Open the battery cover and fit with 2 batteries type C 1.5V. The positive poles in the direction of insertion.



Turn on the BlueTC

Press 4 "ON/MODE". All LEDs light up briefly. Release the button. Then 9 "BUSY" lights up. Wait until 10 "READY" lights up and 12 "RADIO READY" flashes.

Turn off the BlueTC

Press 4 "ON/MODE" permanently until all LEDs light up briefly, release the button.

Configuration

Connect max. 2 BlueTC with max. 2 sensors each with 1 BlueMETER SIGMA (first join*)

Connect the required number of sensors to the BlueTC via cable

Establish connection: Proceed as follows. With both devices in parallel.

BlueMETER SIGMA (BMS)	BlueTC
Press "ON/MODE" until all LED's flash. At screen: "no sensor".	Turn on the BlueTC
Press: - "ON/MODE"	Press: - 5 times "ON/MODE"
- until "Join" is active	Green LED "JOIN" lights up green
- "ENTER"	Press: - "ENTER"
Green LED "READY" flashes	LED BUSY and READY JOIN flashes.
After a certain time the LED "READY" flashes quickly.	After a certain time the LED JOIN flashes quickly.
Press: - "Enter"	Alternatively press: - "Enter"
	The BlueTC turns off.
	Restart with "ON/MODE"

The **BMS** refreshes
Screen shows : A□□□□□
In case of **one** connected sensor:
Press: - "ENTER"
The S/N of sensor appears at screen
Press: - "ENTER" → Sensor is connected, values are showed at **BMS**.
More than **one** connected sensor :
Press: - until max. A B C D appears
Press: - "ENTER"
Press: - until correct S/N apperars
Press: - "ENTER"
Repeat steps until all sensors are in.
Screen shows max. 4 sensores.

* For more information consult the BlueMETER SIGMA manual

Decommissioning, disposal



When decommissioning the BlueTC, follow the local regulations for Disposal of electronic waste.