

TBX System

TBX

Many systems can operate in one location (128 channels can be selected)

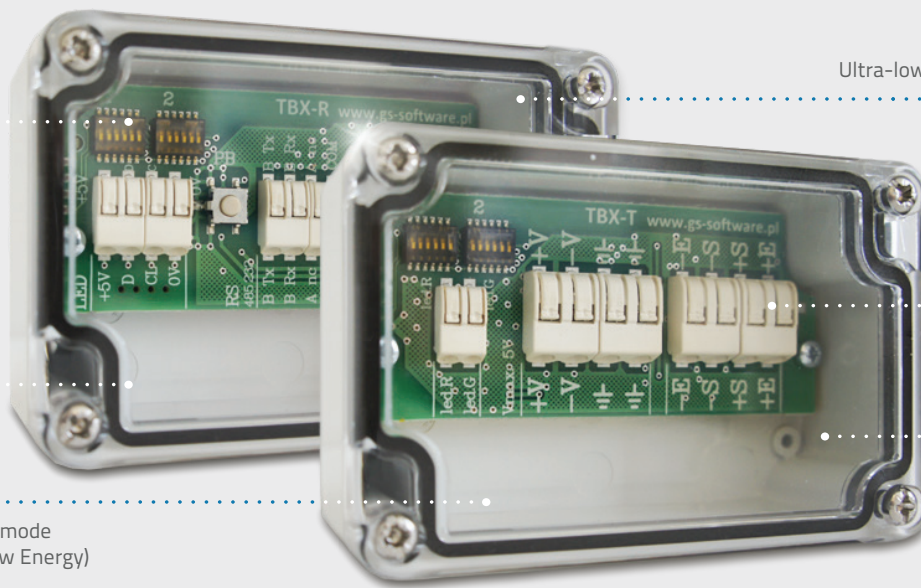
Receiver powered directly from the load cell connector (no external power supply)

Intelligent energy – saving mode (based on Bluetooth 4.0 Low Energy)

Ultra-low energy consumption

Clamp connectors

LED module indicating the status of the system



TBX System

Wireless connection between load cell and indicator

TECHNICAL SPECIFICATIONS

RECEIVER TBX-R	
CATEGORY	PARAMETER
Receiver	Connected to the weight indicator as a load cell
Power supply voltage from the weight indicator	5-10 VDC
Power consumption	Max. 25mA
Constant emulated load cell	2.0 mV/V
Emulated voltage	Proportional to the voltage come from the indicator
D / A converter	16-bit, effective resolution 16-bit
Zero drift of amplifiers	<5ppm/K
Resistors in the analog circuit	0.1%, 25ppm/K
Total error after calibration (estimated)	Max. 90ppm/K (0.009%/K)
Number of transmitter connected to one receiver	1 - 4
Number of channels	1 - 128
Port RS 232 (RX, TX, COM)	For signalling the battery status in the transmitter
Configuration button	To set the signal level in case of no connection with the transmitter
Working temperature	From -40°C to +85°C
Dimensions	86x47x12 mm (without housing)

TRANSMITTER TBX-T	
CATEGORY	PARAMETER
Load cell excitation	3.3 VDC max 100mA
D / A converter	16-bit, effective resolution 16-bit
Frequency of measurement	4.17x/sek (max. 50x/sek)
Resistors in the analog circuit	0.1%, 25ppm/K
Total error after calibration (estimated)	Max. 75ppm/K (0.0075%/K)
Power	3.7 ~ 5 VDC (ie. 3 x AA battery, Li-Ion / Li-Po 3.7V)
Power consumption without load cell	< 5mA
Power consumption by a 360Ω load cell	9.2 mA
Power consumption in sleep mode	< 0.3mA
Type of antenna	Integrated
Working temperature (without battery)	From -40°C to +85°C
Dimensions	86x37x9 mm (without housing)

ADDITIONAL INFORMATION	
CATEGORY	PARAMETER
Radio	Bluetooth 4.0 Low Energy 2.4 GHz
Working distance	20 meters
Connectors	Clamp - vibration resistance
Tool for mounting connectors	WAGO 206-861
Compliance with the directives	CE, RED, RoHS, MD

* The manufacturer reserves itself the right to amend product features. Product parameters may be amended without any prior notice.
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