



Sauter GmbH

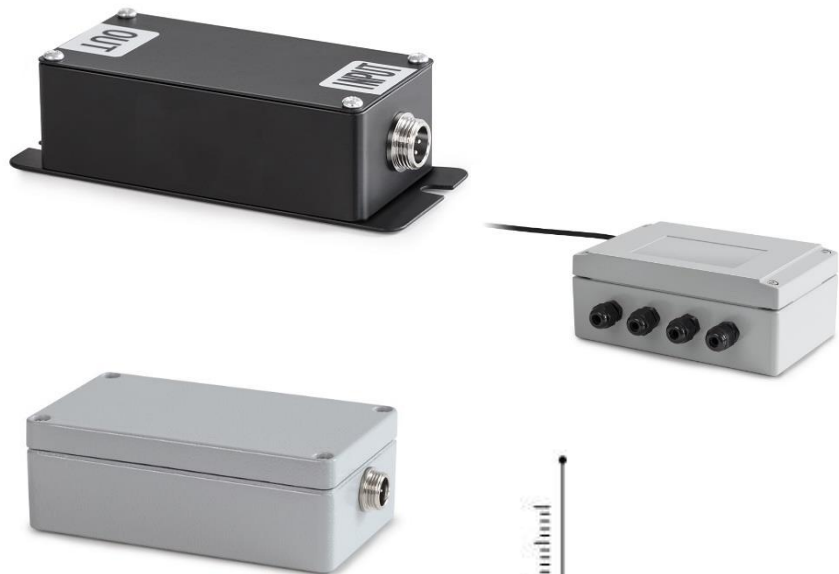
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User Manual / Data Sheet

SAUTER CE WTY1, CE CT Y2, CE WT Y4

V. 1.0
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GB



PROFESSIONAL MEASURING



SAUTER CE WTY1, CE CT Y2, CE WT Y4

V. 1.0 11/2020

User Manual / Data Sheet

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1 Brief description

- Analogue weighing transmitter
- Power supply 12V or 24V
- Output signal voltage or current
- E.g. for transmission to SPS, analog measuring card, etc.
- Integrated overvoltage protection
- Reverse polarity protection at the input and protection of the output

2 Available models

Type/part number	Type Series	Sensor connections	Supply voltage	Output signal	Housing	Protection class
CE WT1-Y1	CE WTY1	1	12V	Analog (4 - 20 mA)	Sheet Steel	
CE WT2-Y1	CE WTY1	1	24V	Analog (4 - 20 mA)	Sheet Steel	
CE WT3-Y1	CE WTY1	1	12V	Analog 0 +/-5V	Sheet Steel	
CE WT4-Y1	CE WTY1	1	24V	Analog 0 +/-5V	Sheet Steel	
CE WT1-Y2	CE WTY2	1	12V	Analog (4 - 20 mA)	Aluminium	IP65
CE WT2-Y2	CE WTY2	1	24V	Analog (4 - 20 mA)	Aluminium	IP65
CE WT1-Y4	CE WTY4	4	12V	Analog (4 - 20 mA)	Aluminium	IP65
CE WT2-Y4	CE WTY4	4	24V	Analog (4 - 20 mA)	Aluminium	IP65

3 Dimensions

Type Series	In mm
CE WTY1	112x45x33
CE WTY2	110x64x37
CE WTY4	158x100x65

4 Check before use

After receipt of the device, it should be checked in advance that no transport damage has occurred, that the outer packaging, the plastic housing, other parts or even the device itself have not been damaged. If any damage is evident, please notify SAUTER GmbH immediately.

5 Connection

5.1 Sensor

5.1.1 CE WTY1 and CE WTY2

Connection to connector with 5 pins

The pins are numbered on the front

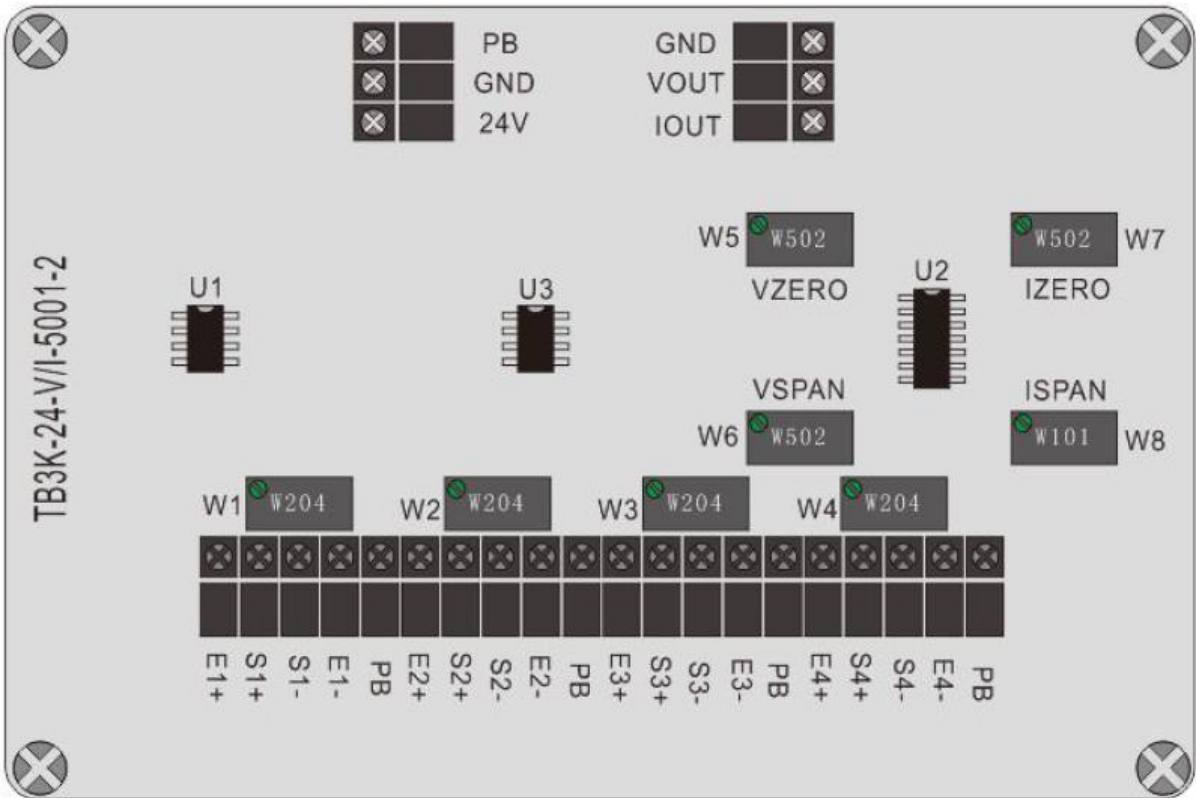
Connect the 5 wires of the sensor



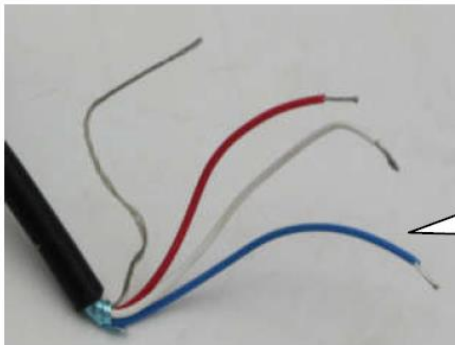
Pin		
1	IN+	Input +
2	IN-	Input -
3	EX-	Excitation -
4	EX+	Excitation +
5	Shield	

5.1.2 CE WTY4

Sx+	Input +
Sx-	Input -
Ex-	Excitation -
Ex+	Excitation +
PB	Shield



5.2 Power supply and signal



Connect the wires to the appropriate power supply and your evaluation device

Red	Power supply	12V or 24V DC depending on model
Blue	Ground	
White	Signal	Depending on model

5.3 Adjust zero point

5.3.1 CE WTY1 and CE WTY2

After connecting the transmitter and load cell, the user could reset the transmitter if it displays incorrectly.

Open the transmitter and find the only potentiometer without silica gel. The zero adjustment of the transmitter could be completed by adjusting the 5K potentiometer. Please note that all 100Ohm potentiometers are sealed with silica gel, which means that the user was NOT allowed to make any adjustments to them.

Please DO NOT adjust any components of the product, as

5.4 Settings CE WTY4

Displacement can lead to the failure of the product warranty.

W1, W2, W3, W4 can adjust the sensitivity of the sensor output signal.

W5 can set the analog output zero point of the voltage.

W7 can set the current zero point of the analog output

W6 can set the gain of the circuit in the voltage output (0-5V/0~10V)

W8 can set the amplification of the circuit in the current output (4-20mA)

Note:

Before delivery all transmitters are calibrated, without special need, do not adjust the potentiometer.

6 Declaration of conformity

To view the CE declaration, please click on the following link:

<https://www.kern-sohn.com/shop/de/DOWNLOADS/>