

# Accessories for Temperature Measuring and Calibration

## WCB 2 Measuring and Calibration Box

The WCB 2 is an external input unit for programming additional functions. It works with every digital Weller station. The setting is fast and easy. Battery powered supply makes the box independent from any mains and easy to transport. The WCB 2 has an PC interface (RS 232) and an integrated temperature gauge for thermo couple type K (accessory). The functions are:

## WCB 2 Measuring and Calibration Box for WSD series

- OFFSET: Correction value for soldering tip temperature
- SETBACK: Reduction on set temperature after a specified period of time
- LOCK: Locking the set temperature
- °C/°F: Switching temperature display °C/°F
- WINDOW: Setting a set value window.  
If the actual temperature is within the set value window a potential-free contact is activated
- Temperature measuring tips are available for each soldering iron



Order-no.	Model	Description
T005 31 180 99	WCB 2	Calibration unit

Scope of supply:

Calibration unit  
Battery 4 x 1,5 V

Accessories:

T005 31 184 99	Network adapter 230 V, 50 Hz
T005 31 190 99	Thermoelement type K, ø 0,5 mm
T005 31 191 99	Interface Cable RS 232

**WTT 1 Temperature Measuring Unit**

The WTT 1 digital temperature measuring system has been specially designed for measuring the temperature of soldering iron tips. The probe has a double sensor system and an own internal heat source. The measured temperature is fed to a control system that records the flow of heat in the probe and stabilises it with the aid of the internal heat source. This design ensures that no heat is drawn by the probe from the object to be measured. Erroneous measurements due to the large thermal load of the probe are thus prevented.

The measured temperature is indicated on a three-digit LED display to a resolution of 1°C. A red dot in the display is used to indicate the measured value and simplifies the reading of the measured temperature. An adjustable pre-heat temperature ensures a rapid response even at high temperatures. Different methods of equipotential bonding and the ESD appropriate design of the control unit and probe supplement the quality of this measuring unit.



**WTT 1  
Temperature measuring system**

- Temperature range  
50°C –500°C
- Tolerance +/- 5°C
- Dimensions 166 x 115 x 101 mm  
(L x W x H)

Order-no.	Model	Description
T005 31 246 99	WTT 1	Temperature measuring system
Scope of supply:		Power unit
T005 29 109 99		Probe for WTT 1

**Temperature  
Measuring System**

- Connection to WCB 2  
calibration unit
- For measuring soldering tip  
temperature



Order-no.	Model	Description
T005 13 832 99		For connection to unit WCB 2 or all other temperature measure instruments with type K sensor port.