

Accessory

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:

- OFFSET: correction value for soldering tip temperature
- SETBACK: Reduction of the 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 |
|---------------|-------|------------------|
| 005 31 180 99 | WCB 2 | Calibration unit |

consists of:

Calibration box
Battery 4 x 1,5 V

Accessory:

| | |
|---------------|--------------------------------|
| 005 31 184 99 | Network adapter 230 V, 50 Hz |
| 005 31 190 99 | Thermoelement type K, Ø 0,5 mm |
| 005 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 preheat 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.



| Order No. | Model | Description |
|---------------|-------|------------------------------|
| 005 31 246 99 | 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)

consists of:

| | |
|---------------|-----------------|
| 005 29 109 99 | Power unit |
| | Probe for WTT 1 |

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