

# WCU

## HIGH-PRECISION TEMPERATURE MEASUREMENT DEVICE



ORDER NO: T0053450199

Weller's WCU is a compact stand-alone high-precision temperature measurement device for quick and accurate temperature measurement. The WCU unit is strategically designed for users that need to measure fast and easy, while maintaining the highest level of accuracy. It comes with a large, non-backlit display.

### + KEY FEATURES

#### > HIGH-PRECISION TEMPERATURE MEASUREMENT DEVICE

Quick and accurate temperature measurements

#### > INTUITIVE NAVIGATION

Digital display for fast temperature unit change between °C and °F, and other functionalities. Values are easily readable from the large non-backlit display.

#### > FAST AND EASY MEASUREMENT

Effortlessly auto-calibrate in less than 10 seconds, ensuring the operator can focus on the important soldering task with a precise temperature for best productivity.

The Auto-Calibration function can be used with:  
WX 1, WX 2, WXD 2, WXA 2, WXR 3, WXsmart

**NOTE:** For the Auto-Calibration function a RS 232 cable (order number: T0058764710) needs to be purchased separately

#### > HIGH-MOBILITY

The compact designed, battery-powered Weller High Precision Temperature Measurement Device can easily be shared between different workstations

#### > SIMULTANEOUS USE OF THERMOCROSS AND THERMOCOUPLE

Keep track of soldering tip and soldering bath temperatures simultaneously

(Weller Thermocouple Type K Ø 0,1 mm T0058755782)

(Weller Thermocouple Type K Ø 0,5 mm T0053119099)

#### > TEMPERATURE MEASUREMENT COUNT FUNCTION

Number of tip temperature measurement will be automatically counted. This function can be useful for control of changing sensor.

#### > MAX HOLD FUNCTION

The WCU display will show/hold the maximum temperature measured.

#### > LOW ENERGY CONSUMPTION

Auto Turn-off Timer saves battery life shutting down the unit's power after 10 mins without use.

Different grounding possibilities, ex works = hard grounding

#### > WCU REPLACEMENT SENSOR

10 pcs. T0058771712

#### > ESD Safe

The Weller WCU Temperature Measurement Device is fully ESD safe



#### TECHNICAL DATA WCU

##### Temperature measuring range Thermocross

0°C – 400°C 32°F – 752°F

##### Temperature measuring range Type-K/Thermocouple

150°C – +1200°C 302 °F – +2192 °F

##### Applicable sensor

K (CA) type thermocouple

##### Measuring tolerance

±3 °C (between 300 and 600 °C) ±6 °F (between 572 and 1112 °F)

##### Energy supply

9V Dry battery Alkaline cell recommended.  
Recommended battery Ansmann XPower alkaline battery 9V E-block

##### Dimensions

L x W x H 138 x 73 x 43 mm

##### Weight

120 g (Without battery)

##### Ambient temperature

0 °C – 40 °C

##### Air humidity range

max. 80% Relative air humidity, without condensation

##### Ambient conditions

Applicable pollution degree 2 (According to IEC/ UL61010-1)