

WCM-1 Calibration enabling unit

559-714



The Weller WCM-1 Calibration Unit is designed to work with the EC2100M/EC4100M Soldering stations (all variants). It is used to set various functions of the station and to allow calibration adjustment of the tip temperature to an external reference temperature.

The various functions include: the facility of having a timed setback mode, setting a fixed temperature into the station and turning off the front panel control knob.

The station can be set to reach °C or °F and all settings can be returned to original factory calibrations.

This unit is self powered by four "AA" alkaline batteries which have an expected life of 3 months.

Cat. No.	Description	For use with
WCM-1	Calibration unit	EC2100M station EC4100M station

EC3100A Electronically controlled ESD safe mini soldering station

The EC3100A is ESD safe and is temperature variable between 175°C – 450°C. The temperature is changed by means of a dial on the fascia. The electronic system utilises thyristor power control with zero voltage thyristor drive. This ensures that no high voltage spikes or magnetic fields



will be present on the soldering tip. The power unit is isolated from A.C. line by a transformer and only 24 VAC isolated voltage is used to power the heating element. The soldering tip is also grounded through the power unit 3 wire cord. These features combine with the temperature control to give the greatest safety for electronic circuitry. Also available with bench static earth point ESP models. EC 1301A soldering iron with standard EPH102 soldering tip included, together with bench holder and cleaning sponge. Temperature setting may be locked. Fitted with 230/120 voltage selector switch.

Cat. No.	W	V	Description
EC3100A	25	230/120	Complete station
EC3100A ESP	25	230/120	Complete station

Accessories

EC1301A	Soldering pencil for all models
BH41	Bench holder for all models

This station is designed to comply with the electro-static decay requirements of Mil spec and European specs.

EC4100M Electronically controlled ESD safe mini soldering station



The EC4100M comprises of a EC2100M control unit and an EC1301A miniature soldering iron together with a bench holder with cleaning sponge. This unit offers the same features as the EC2100M with the miniature soldering iron EC1301A. EC1301A soldering iron with standard EPH102 soldering tip. Temperature range of 180° to 450°.

A WCM-1 calibration unit is available to give the user more control of the soldering station. This unit interfaces with the EC2100M/EC4100M micro-processor through the iron receptacle and provides the ability to enable a timed set back mode, a temperature lockout feature, a switch to change the display measurement between °F and °C, digital calibration adjustment of the station to an outside temperature reference, and reset the station to its original factory calibration.

Cat. No.	Iron	Iron W	V	Description
EC4100M	EC1301A	20	120/230	Complete station
EC4100M ESP	EC1301A	20	120/230	Complete station

Accessories

EC1301A	Miniature iron 20W
BH 41	Bench holder for all models
WCM-1	Calibration enabling unit
Soldering Tips	Refer to EPH style tips