

## Weld-A-Wire II Bench-top Thermocouple Welder

TMS Europe's Weld-A-Wire II is a capacitance discharge electric resistance welder for welding thermocouple temperature sensors.

It is principally designed for making rapid thermocouple junctions and the attachment of flying leads to MI thermocouples and Pt100 elements, but is also capable of impact and spot welding and is a valuable addition to any instrument workshop.

As well as welding fine wire thermocouple junctions, it can also weld thermocouple junctions onto metal bodies for surface temperature measurement.



- Front Panel or Foot switch (for hands free) operation.
- Variable energy level from 0.2 to 50 Joules.
- Output voltage is only 60 Volts at 50 Joules.
- LED bargraph gives visual indication of energy level
- 230V (default) or 115V operation



### Included Accessories

Small Carbon Holder with 4mm plug  
Short Carbon Electrodes (x3)  
Small Pliers with 4mm plug  
Magnet electrode with 4mm plug  
Large Croc Clip with 4mm socket, Black  
4mm plug-plug lead, Red  
4mm plug-plug lead, Black  
4mm socket-socket adaptor, Red  
4mm socket-socket adaptor, Black  
Soft Accessories Bag  
Eye Protection Filter Lens  
Magnifier 'Helping Hand' (magnifying glass and croc-clip clamps on arms)  
Work Lamp

**Welding Capacity:** Two wires from 0.1 to 0.9mm diameter  
**Output Discharge Energy:** 0.2 - 50J (Joules), in two ranges; 0.2 – 25J & 0.4 –50J  
**Output Voltage:** 60V max (based on 230Vac supply voltage)  
**Pulse Width (typical):** 5ms  
**Power Supply:** 230Vac (±10%) or 115Vac (±10%) (requires changing of selector module), 50Hz or 60Hz, 180VA max  
**Dimensions (Welder only):** 320 x 130 x 215mm (WxHxD)  
**Weight (inc. accessories):** 5Kg (including standard accessories)

**Order Code:** WELDAWIRE2