

TW158 Compact Portable Thermocouple Welder

TMS Europe's TW158 is a capacitance discharge welder designed primarily for thermocouple welding.

It is small and lightweight enough to be carried and used by engineers anywhere on a plant, including confined spaces or with only one hand free.

It is powered by four AA batteries, which are readily available and can easily be replaced on site, giving continuous use without the need for a mains electricity supply.

As well as welding fine wire thermocouple junctions, it can also weld thermocouple junctions onto metal bodies for surface temperature measurement. Such applications include thermal surveys of autoclaves, ovens, furnaces and HVAC systems.



- Manual and Auto (Hands Off) operation.
- Variable energy level from 20 to 50 Joules.
- Runs on AA batteries
- Over 400 welds at 30 Joules
- Low battery LED indicator.
- Auto switch-off after 3 minutes to conserve battery.
- Output voltage is only 60 Volts at 50 Joules.
- Lightweight padded carry case, includes shoulder strap, belt loop and tool storage.

Included Accessories

Small Carbon Holder with 4mm plug
Short Carbon Electrodes (x3)
Large Pliers with 4mm plug
Magnet electrode with 4mm plug
Large Croc Clip with 4mm socket, Red
4mm plug-plug lead, Red
4mm socket-socket adaptor, Red



Energy Output: 20 - 50J (60Vdc at 50J)

Dimensions (Welder only): 140 x 45 x 190mm (WxHxD)

Dimensions (in case with accessories): 170 x 110 x 220mm (WxHxD)

Weight: 1.2kg (approx.)

Batteries: 4 x 1.5V AA size Alkaline batteries (supplied)

Order Code: WELD-TW158



TMS Europe Ltd was established in 1979 and has designed and manufactured thermocouple welders in the UK since 2001.

