

## SW12V Portable / Bench-top Thermocouple / Pin / Wire Welder

TMS Europe's SW12V is a capacitance discharge welder designed primarily for heavy duty thermocouple welding. Its portable design makes it at home in the workshop or around the factory.

With up to 250 Joules energy output it can weld pins, thick wires and thermocouple wires; up to 10 SWG (3.17mm) thermocouples and 8mm diameter studs. This makes it useful for all manner of other general uses in addition to thermocouple welding.

Its size and weight allows it to be carried by engineers between locations on a plant and used in confined spaces. It can run off its internal battery or the mains, making it useful for areas where mains power is not available.

The welder has two operation modes; Automatic, giving hands-free operation, and Footswitch, for greater control. In normal automatic operation mode (with no footswitch connected), the welder will detect the connection and perform the weld automatically after a short audible count down. When the footswitch is plugged in, the welder can only be operated with the footswitch and the automatic weld function is disabled.

### Features

- Mains powered or portable battery operation
- Auto (Hands-Free) Operation.
- Can operate from Mains supply while recharging.
- Mains LED shows when the battery is on charge.
- Low Battery LED shows when it needs re-charging.
- Very low battery inhibits operation.
- Supplied with tools and mains charging lead.
- Tool storage is built into the rear of the case.
- Rugged cased floor standing/bench-top unit with hard rubber feet
- Heavy duty 'Dinse' style output connections

**Energy Output:** 30-60 & 125-250 Joule ranges (60Vdc max)  
**Dimensions:** 270 x 310 x 230mm (WxDxH)  
**Weight (approx.):** 8kg (Including Accessories)  
**Supply Voltage:** 230Vac (200 - 260Vac), 30W (115V version available on request)

**Order Code:** WELD-SW12V



### Included Accessories

- Magnet electrode with Dinse plug
- 200A Crocodile Clamp with Dinse plug
- Large Carbon Holder with Dinse plug
- Large Long Nosed Pliers with Dinse plug
- Large Square Pliers with Dinse plug
- Dinse extension lead (x2)
- Foot switch with lead
- Medium Carbon Electrodes (x4)
- IEC Mains Lead with UK Plug



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

