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Certificate Number 351

TW163 Portable Thermocouple Welder

TMS Europe's TW163 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.

The welder can run off of its internal battery or the mains, making it suitable for use on-site or in the workshop to weld fine wire thermocouples junctions up to 1mm diameter.

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 free) operation.
- Mains powered or portable battery operation. Unit can operate from Mains supply while recharging battery.
- Variable energy level from 18 to 40 Joules.
- Low Battery LED shows when the battery needs re-charging. Very low battery inhibits operation.
- Auto switch-off to conserve battery.
- Rugged metal case, includes shoulder strap 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:	18 – 40J
Dimensions:	300 x 190 x 100mm (WxHxD)
Weight:	4.5kg (approx.)
Supply Voltage:	230V UK version; 200 - 260Vac 50Hz, <250W, BS1363 3-pin 13A style UK plug 230V EU version; 200 - 260Vac 50Hz, <250W, CEE 7/7 3-pin 'Schuko' EU plug 115V version; 100 - 130Vac 50/60Hz, <250W, IEC60309 yellow round 16A plug
Battery:	Built-in, re-charge time: 6 - 8 hours
Warranty:	2 years return to base warranty against manufacturing defects.

Order Codes:	WELD-TW163VM	230V UK version, stocked
	WELD-TW163VM-EU	230V EU version, built when ordered
	WELD-TW163VM-110V	115V version, built when ordered

MADE IN BRITAIN

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

Specification and price are subject to change without notice. Appearance may vary from image(s) shown. Trademarks acknowledged.