



TCW-60

Standard Accessories:

- Wire Holding Pliers & Lead.
- Safety Glasses.
- Magnifying Eyeglass.
- Carbon Electrodes.
- Spare 2A Fuse.
- Argon Hose.
- Mains Lead.
- Footswitch for greater ease of use.

Optional Accessories: Spare Carbon Electrodes.

Electrical:

Power Supply: 110-120 Vac or 220-250 Vac, 50-60Hz.
Power Consumption: Power Consumption.

General:

Energy Output	0-60 Joules
Welding Capacity	Wires up to 1.1mm diameter
Duty Cycle	Minimum 5-10 welds/min

Ordering Guide:

Typical Part No. TCW-60, -220-250Vac.

Mechanical:

Physical Dimensions	(WxHxD) 220x120x250mm
Weight	4kg

TCW-60, Thermocouple Welder

The TCW-60 is designed for sensor manufacturers for the production of commercial grade thermocouple junctions, and for users of large numbers of exposed junction thermocouples such as test & development laboratories where multipoint temperature sensing of test pieces is required.

No special skills are needed and most people will be capable of producing quality work with minimal practice. The instrument can be operated via the front panel or by using the footswitch provided.

In addition to thermocouple work, the TCW-60 welder is used in many other applications involving the joining of wires to each other and to metal surfaces.

This model is suitable for welding wires up to 1.1mm diameter & has an argon gas shield facility.

A satisfactory thermocouple junction is produced without using argon, but where argon is available a momentary purge is automatically triggered immediately prior to the weld to give optimum weld integrity.

Thermocouple Connectors

	1260-K mini plug type K		1260-T mini plug type T		1010-K standard jack K
	1210-K mini jack type K		1210-T mini jack type T		1060-K standard plug K

Insulated Thermocouple Wires

Code	T/C Type	Insulation	Wire Diameter (mm)	Temp. Limit	
	K-20-2-304 K-24-2-304 K-30-2-304	K	Glass Silicon	0.813 0.508 0.254	480°C (540°C)
	K-24-2-508 K-30-2-508	K	Teflon	0.508 0.254	204°C (260°C)
	K-24-2-508 K-30-2-508 K-36-2-508	T	Teflon	0.508 0.254 0.125	204°C (260°C)