

Thermocouple and Fine Wire Welder

Make Quality Beaded Thermocouples

TL-WELD



- ✓ Wire-Holding Pliers and Lead
- ✓ Safety Glasses
- ✓ Magnifying Eyeglass
- ✓ Carbon Electrodes
- ✓ Spare 2 A Fuse
- ✓ Argon Hose
- ✓ Power Cord
- ✓ Footswitch for Greater Ease of Use
- ✓ 120/220 Vac Selectable



The TL-WELD is designed for sensor manufacturers who produce commercial-grade thermocouple junctions, and for users of large numbers of exposed junction thermocouples, such as test and 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.

This model is suitable for welding wires up to 1.1 mm (0.043") in diameter and 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.

Specifications

General

Energy Output: 0 to 60 joules

Welding Capacity: Wires up to 1.1 mm (0.043") in diameter

Duty Cycle: Minimum 5 to 10 welds/minute

Mechanical

Dimensions:

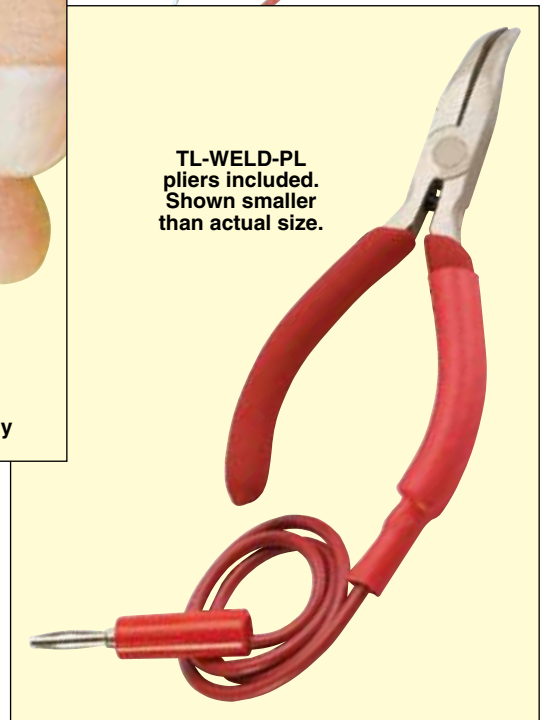
220 W x 120 H x 250 mm D
(8.7 x 4.7 x 9.9")

Weight: 4 kg (8.8 lb)



Please see omega.com for thermocouple bare wire.

Beaded Thermocouples Only



TL-WELD-PL pliers included. Shown smaller than actual size.

Electrical

Power Supply:

Standard: 110 to 120/
220 to 250 Vac selectable,
50 to 60 Hz

Power Consumption:

Maximum 170 VA dropping to 20 VA during charging

To Order

Model No.	Description
TL-WELD	Thermocouple and fine wire welder

Accessory

Model No.	Description
TL-WELD-CAR	Replacement carbon electrodes (package of 5)
TL-WELD-PL	Spare insulated pliers for TL-WELD

Comes complete with pliers.

Ordering Example: TL-WELD, thermocouple and fine wire welder and TL-WELD-CAR, spare carbon electrodes.