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)

**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**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>TL-WELD</td>
<td>Thermocouple and fine wire welder</td>
</tr>
</tbody>
</table>

**Accessory**

<table>
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<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>TL-WELD-CAR</td>
<td>Replacement carbon electrodes (package of 5)</td>
</tr>
<tr>
<td>TL-WELD-PL</td>
<td>Spare insulated pliers for TL-WELD</td>
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</tbody>
</table>

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