



The Model 10508 is a light capacity single probe resistance soldering system. It comes pre-assembled for your convenience.

This set is designed for a wide variety of uses on delicate soldering applications, such as micro-miniature setups, wire processing, terminations, small assemblies, model railroading applications, prototyping, and micro-soldering in hard to reach areas.



**Model 10508**

Resistance heat is obtained by passing a safe, low voltage, high amperage current through a resistive alloy. As with all Resistance Soldering Handpieces, heat is generated locally to the handpiece. Current is present for only so long as power is applied to the handpiece and there is a path for the current from the power unit, through the handpiece and back to the power unit.

#### **Replacement Parts:**

- **10515** - Single lightweight carbon resistance soldering iron
- **105A3** - Resistance soldering variable AC current power unit
- **10512A** - Ground lead with alligator clip
- **10519** - Footswitch
- **10530** - Copper clad carbon electrodes, 3/32" diameter, 3" length

#### **Specifications:**

- 100W (2.65VAC) power unit with infinitely variable output control, pilot light, 1 AMP circuit protection and heavy-duty aluminum case
- Durable, user-friendly handpiece with four foot (1.22m) 10 AWG high strand DLO cable
- Electrodes constructed of 3" (76.2mm) carbon with a 3/32" diameter
- Rugged, industrial footswitch with 6 foot (1.83m), three-wire cord and NEMA 5-15 P/R piggyback plug

**NOTE:** The power unit has been rated to operate at a 50% maximum duty cycle. Do not operate beyond this rating.

**WARNING:** There are no user serviceable parts inside of the power unit. Do not attempt to open the power unit housing for any reason, due to the risk of electrical shock. Elements can generate a significant amount of heat when power is applied. Use with caution to avoid burns, fire, or other potential damage. Normal use of this product is likely to expose the user to solders containing lead, which is known to the state of California to cause cancer and birth defects (or other reproductive harm), or other Proposition 65 listed chemicals.

**Distributed by:** ALL-SPEC INDUSTRIES  
WILMINGTON, NC 28401  
[www.all-spec.com](http://www.all-spec.com)

**Phone:** 800-537-0351  
**Fax:** 800-379-9903  
**Email:** [sales@all-spec.com](mailto:sales@all-spec.com)