



The Model 10505 is an industrial capacity plier style resistance soldering system. It comes pre-assembled for your convenience.

This set is designed to provide immediate concentrated heat to create accurate, trustworthy solder joints in delicate soldering applications such as sweat soldering thin wall tubing up to 1-1/2" outer-diameter, large scale rebuilds, lugs, posts, motor stator segments, heavy AWG wire processing connections and applications where significant heat-sinking is a problem.



Model 10505

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:

- **105C1** - 1800 Watt (6.9VAC) maximum output power unit
- **10587** - Heavy duty high-heat carbon pliers handpiece
- **10519HW** - High wattage footswitch
- **10565** - Concave carbon block electrodes, 1-1/2 x 1/2 x 5/8" (38 x 13 x 16mm), 2 per package

Specifications:

- 1800W (6.9VAC) maximum output power unit with 23 unique power settings, lighted rocker, 15 AMP circuit protection and heavy-duty aluminum case
- Durable, user-friendly hand piece constructed from heat-resistant plastic with 10' (1.22m) 6 AWG power cord
- Concave carbon electrodes yield higher temperatures and allow for customization by grinding to fit application
- Rugged, industrial high wattage footswitch with 6 foot (1.83m), 3-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.

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