ISO-TIP

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The PRO CHARGE #7840

- Up to 125 solder joints per charge
- Fully recharges in only 1 hour

READ ALL INSTRUCTIONS BEFORE USING. When using your PRO CHARGE, basic precautions should always be followed.

Danger.

- When the PRO CHARGE operating button is pressed, the tip heats up over 900°F, almost immediately.

Warning:

- DO NOT hold the tip when pushing the button.
- Whenever you are finished soldering, make sure to rotate button back to lock position.
- DO NOT allow metal objects to touch or "short" across the recessed charging contact points. The metal could get very hot.
- DO NOT lay against any surface after using until the TIP HAS COOLED.

General Soldering Information

- For fast and accurate soldering, a clean and well-tinned tip is required.
- Heat and gently wipe with a rag or an emery cloth to clean tip.
- Re-tin to minimize oxidation.
- Use good quality solder.
- Use Resin Core or solid with the proper flux for electronics work.
- Apply solder ONLY at the point of the tip.

Recommended Practices and Answers to Frequently Asked Questions:

- You **CAN** leave your PRO CHARGE in its charging stand all of the time when not in use - it will **NEVER** overcharge. To save electricity, the charger can be unplugged if long periods of non-use are expected. If the soldering iron is left in the stand and the recharging stand is disconnected or turned off, the iron will discharge.
- The iron should be used frequently to insure a longer life of its batteries. Even when you don't solder, it is a good practice to completely discharge the batteries by normal use at least once a month. If this is not done, the batteries will gradually lose their maximum capacity. However, when discharging, **DO NOT** hold the iron continuously in the **ON** position without a **HEAT SINK** to prevent abnormally high tip temperature.
- **NEVER** charge your PRO CHARGE soldering iron in a RECHARGER stand that is a different color than the iron. The higher charge rate of different colored stands may cause overcharging and overheating of the iron's rechargeable cells, and this will shorten battery life.
- When soldering, touch only the nose of the tip to the area you are soldering and not the thin sidewalls. Do not feed the solder onto the side of the tip. This practice will rapidly eat a hole through the side of the copper tip. Feed the solder onto the very end of the tip at the junction with the work.
- All tips should be kept tinned for fast heat transfer to the work and longest tip life. (See directions under General Soldering Information.)
- Tip temperature can be controlled by pressing the button momentarily off and on in use. This may be necessary when working with micro printed circuits.

How To Use PRO CHARGE

Operation

1.1 Turn switch button to "use" position.
1.2 Depress button to operate.
1.3 When not in use, turn button to "lock" position

Soldering on Printed Circuit Boards, Wiring and General Work

- Make sure work is clean and make a good mechanical connection where possible. Flux the joint, if necessary.
- Remove PRO CHARGE from its recharging stand, depress push button, wait 3-5 seconds and apply tip to joint that is to be soldered.
- Immediately apply solder at the point of the tip and the joint so that melted solder will help in heat transfer.
- When solder flows and has wetted connection, remove solder and soldering iron and release push button.
- Soldering cycle should be completed within 15 seconds.
- Unnecessary usage will reduce joint capacity as will too large of work.
- Check your work; a good solder joint should look smooth and bright.
- After connection has cooled, trim off excess wire.

Installing Tip

2.1 Align tip leads over the terminal holes.
2.2 Push inward and upward until tip is full seated.
2.3 To remove, pull straight out.
2.4 To attach the tip permanently, remove the two terminal screws and take off the two springs. Then insert the tip into the tip holders. Replace the screws and tighten.

Replacing the Batteries

In the unlikely event that you have to replace the soldering iron's Ni-Cad batteries:
3.1 Remove three screws from case. Remove cover carefully.
3.2 Remove switch contact screw. Lift switch spring and tip holder assembly up and remove from unit.
3.3 Remove 2 screws located on ends of battery pack.
3.4 Remove battery pack.
3.5 Install new battery pack with 2 screws.
3.6 Replace switch spring and tip assembly in case. Use caution! Do not touch the other tip assembly.
3.7 Replace switch contact screw.
3.8 Replace cover and 3 screws.

Recharging

- The recharging stand is designed to be operated on 100 to 120 Volts, 50-60 Cycle.
- To recharge, place the PRO CHARGE in the recharging stand with the push button toward the front.
- It will recharge from "DEAD" to "FULL CHARGE" in about 1 hour.
- It is suggested that the unit be charged when received and left in its RECHARGING STAND when not in use. Soldering iron will not overcharge if left in stand.
- When completely discharged, the Pro Charge can be recharged and used again in a few minutes or fully recharged in an hour. The iron is equipped with a temperature-sensitive cut-off allowing its batteries to accept a very fast recharging rate.
- When the battery is fully charged, this thermostat automatically switches to a trickle charging rate, which prevents battery damage and saves energy while maintaining the charge.
- The LED indicator light below the white switch button will light up to show it is on trickle charge.
- **NOTE: The unit charges completely in 60 minutes. However, it will take another 30 minutes (approximately) for the LED to light even though the batteries are charged.**
- After using, the reset switch on the left hand side (front) should be pushed down to reset the iron to allow it to charge at the fast rate again to give maximum service.
- **NOTE: The thermostat will not reset for at least 10 to 15 minutes after a quick charge until the batteries have had time to cool.**

Replacement Tips


No. 7571 Beveled Tip
1/16" (1.6mm)


No. 7579 Beveled Tip
3/32" (2.4mm)

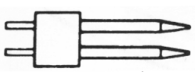

No. 7592 Beveled Tip
5/32" (4mm)


No. 7593 Beveled Tip
High Wattage 3/16" (4.8mm)


No. 7566 Micro Soldering Tip
1/64" (.4mm)


No. 7535 Regular Tip
5/32" (4mm)


No. 7546 Heavy Duty Tip
High Wattage 3/16" (4.8mm)


No. 7541 Circuit Breaker Tip


No. 7574 Concave Centering Tip
5/32" (4mm)


No. 7573 Tinning Tip
5/32" (4mm)


No. 7569 "V" Tip
5/32" (4mm)


No. 7572 Blunt Tip
5/32" (4mm)


No. 7577 Chisel Tip
5/32" (4mm)


No. 7545 Fine Tip
1/16" (1.6mm)


No. 7596 Knife Tip
1/32" (.8mm)

Warranty

Please contact us via phone or e-mail for specific product warranties or any other questions you may have.