

### LIMITED ONE (1) YEAR WARRANTY

If your Iso-Tip tool fails to operate satisfactorily within one (1) year from the date of original purchase or receipt as a gift, Iso-Tip will at our option, repair or replace it and return it to you. Our warranty does not cover worn out parts. Please call first to receive an authorization code and then mail this tool with a note describing the defect and the date of original purchase or receipt as a gift with the authorization code (if in warranty) to:

Iso-Tip, A Division of Senasys.  
Attn: Returns  
704 Bartlett Avenue  
Altoona, WI 54720

Tools out of warranty will be repaired at our standard repair charges. This warranty is void and no repair or replacement will be made under this warranty or otherwise if:

1. The tool is modified in any manner.
2. The tool is repaired by anyone other than Iso-Tip.
3. The tool has been subjected to unreasonable use.

This warranty gives you specific rights and you may also have other rights which may vary from state to state. No other written express warranty is given. Any implied warranty which may arise from purchase or use is limited to the one-year period provided in this express warranty. Some states may not allow such limitation so it may not apply to you. No responsibility is assumed for incidental or consequential damages of any type or for the use of unauthorized attachments. Some states do not allow the exclusion or limitation of incidental or consequential damages so the limitation or exclusion may not apply to you. Warranty valid only in the United States.

**WARNING:** Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. Some examples of these chemicals are lead (from lead based paint), crystalline silica (from bricks, cement, and other masonry products) and arsenic and chromium (from chemically treated lumber). Your risk from these exposures vary, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area and work with approved safety equipment such as dust masks that are specially designed to filter out microscopic particles.

## OPERATING MANUAL

# ISO-TIP Quick Charge Cordless Rechargeable Soldering Iron Kit

By ISO-TIP



MODEL NO. 7700

## READ ALL INSTRUCTIONS BEFORE USING THIS TOOL

SAVE THIS BOOK FOR ORDERING INFORMATION

## IMPORTANT SAFEGUARDS

When using your Iso-Tip soldering iron tool, basic precautions should always be followed.

### READ ALL INSTRUCTIONS BEFORE USING.

## DANGER

To reduce the risk of electric shock:

1. Do not place or drop into water or other liquid.
2. Except when charging, always unplug this appliance from the electrical outlet when not in use.
3. Unplug the recharging stand before cleaning.

## WARNING

When the Iso-Tip operating button is pressed, the tip heats to over 700° F almost immediately.

To reduce the risk of burns, fire, electrical shock, or injury:

1. Close supervision is necessary when this tool is used by or near children.
2. Use this tool only for its intended use as described in this manual.
3. Never operate this tool if the recharging stand cord is damaged. If it is not working properly, if it has been dropped or damaged, return to Senasys Inc. for examination and repair.
4. Do not carry the recharging stand by cord.
5. Keep the cord away from heated surfaces.
6. Never drop or insert any object into any opening.
7. Do not use outdoors in inclement weather conditions.
8. Do not hold the tip when pushing the button.
9. Do not use this tool with damaged or broken attachments. Injury may occur.
10. When you finish soldering, make sure to rotate button back to lock position.
11. Do not allow metal object to touch or "short" across the recessed charging contact points. The metal could get very hot.
12. Do not lay against any surface after using until the tip has cooled.
13. Do not attempt to charge this unit with any charger other than the one that is supplied with it.

## SAVE THESE INSTRUCTIONS

### PROPER USE AND MAINTENANCE INFORMATION

1. 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 about once a month. If this is not done, the batteries will gradually lose their maximum capacity. NOTE: When discharging, DO NOT hold the iron continuously in the ON position without a HEAT SINK to prevent abnormally high tip temperature.
2. 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 up. Re-tin to minimize oxidation. Use good quality solder; resin core or solid with the proper flux for electronics work. Apply solder only at the point of the tip. All tips should be kept tinned for fast heat transfer to the work and longest tip life.
3. 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.
4. 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.

### OPERATING YOUR SOLDERING IRON

1. Turn switch button to "USE" position. Depress button to operate. When not in use, turn button to "LOCK" position.

### SOLDERING ON PRINTED CIRCUIT BOARDS, WIRING AND GENERAL WORK

1. Make sure work is clean and make a good mechanical connection where possible.
2. Remove the tool from its recharging stand, depress pushbutton, wait 3-5 seconds and then apply tip to joint that is to be soldered.
3. Now immediately apply solder at the point of the tip and the joint so that melted solder will help in heat transfer.
4. When solder flows and has wetted connection, remove solder and soldering iron and release pushbutton.
5. Soldering cycle should be completed within 15 seconds.
6. Repeated heat cycling will reduce solder joint reliability.
7. Check your work; a good solder joint should look smooth and bright.
8. After connection has cooled, trim off excess wire.

## INSTALLING TIP

1. Align tip leads over the terminal holes.
2. Push inward and upward until tip is fully seated.
3. To remove, pull straight out.

## Recharging

The Recharging Stand is designed to be operated on 120 Volts AC, 50-60 Cycle.

1. To recharge, place the tool in the recharging stand with the pushbutton toward the front.
2. Using the wall plug transformer, plug charger cord into bottom of iron and plug charger only into a 120 Volt AC, 50-60 Cycle receptacle. Using the wall plug transformer charging time is 12-16 hours.
3. Using the recharge stand, recharge from "DEAD" to "FULL CHARGE" in about 3.5 - 4 hours.
4. It is suggested that the unit be charged when received and left in its recharging stand or plugged into wall plug transformer when not in use. Soldering iron will not overcharge if left in stand.

## REPLACEMENT TIPS

The following accessories can be obtained directly from the manufacturer at [www.iso-tip.com](http://www.iso-tip.com).

7535	Regular Tip
7545	Fine Tip
7546	Heavy Duty Tip
7566	Micro Soldering Tip
7569	V Tip
7571	Beveled Tip #2
7572	Blunt Tip
7574	Concave Centering Tip
7577	Chisel Tip
7579	Beveled Tip #3
7593	Beveled Tip #6
7596	Knife Tip

7535-100	High Efficiency Regular Tip
7545-100	High Efficiency Fine Tip
7546-100	High Efficiency Heavy Duty Tip
7566-100	High Efficiency Micro Soldering Tip
7577-100	High Efficiency Chisel Tip
7579-100	High Efficiency Beveled Tip

## BATTERY REPLACEMENT

**This product uses a nickel-cadium (NiCd) battery, which must be disposed of properly.**

The tool is shipped with the batteries uncharged. When battery replacement is necessary, we recommend returning the unit to Senasys.

**WARNING:** Disturbing the internal wires or thermostat may result in battery overheating.