

OPERATING INSTRUCTIONS ISO-TIP

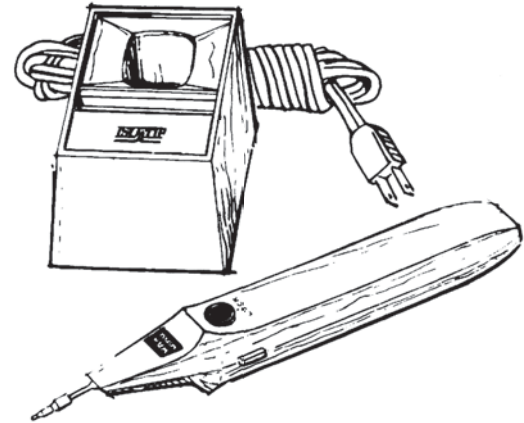
CORDLESS SOLDERING IRON

SENASYS, Altoona, Wisconsin

*"Still the greatest advance
in soldering since electricity!"*

Catalog

No. 7700
No. 7904



CAUTION

When the "ISO-TIP" operating button is pressed, the tip heats to over 900° F, almost immediately.

1. DO NOT HOLD THE TIP when pushing the button.
2. Whenever you are finished soldering, make sure to rotate button back to lock position.
3. Do not allow metal objects to or "short" across the recessed charging contact points. The metal could get very hot.
4. Do not lay against any surface after using until the TIP HAS COOLED.

Patented — See Notice Inside Housing Lid

LIMITED WARRANTY

If your Soldering Iron fails to operate satisfactorily within one (1) year from the date of original purchase or receipt as a gift, SENASYS will, at our option, repair or replace it and return it to you FREE OF CHARGE. (Our warranty does not cover soldering tips which are wear out parts.) Please mail your Soldering Iron with a note describing the defect and the date of original purchase or receipt as gift (if in warranty). Products 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 product is modified in any manner.
- 2) the product has been subjected to unreasonable use.
- 3) the product has been subject to anyone other than SENASYS.

This warranty gives you specific legal 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.

SENASYS
704 Bartlett Avenue
Altoona, WI 54720
(715) 831-6353

Form No. W00210-301

- (2) 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.

- (3) **Never** charge your "Iso-Tip" 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.
- (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.
- (5) All tips should be kept tinned for fast heat transfer to the work and longest tip life. (See directions under General Soldering Information).
- (6) 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.

SERVICE AND REPAIR:

If problems in your UNIT arise, send your "ISO-TIP" and CHARGER UNIT prepaid to our factory, (address below) along with a note explaining the problem. NEVER return with TIP in place.

ADDRESS: **SENASYS**
704 Bartlett Avenue
Altoona, WI 54720
Attn: Repair Dept.

REPLACEMENT TIPS:

If not available from your dealer, order direct from factory.

Regular Tips



No. 7571 BEVELED TIP 1/16" (1.6mm)



No. 7566 MICRO SOLDERING TIP
1/64" (.4 mm)



No. 7535 REGULAR TIP 5/32" (4 mm)



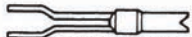
No. 7546 HEAVY DUTY TIP
high wattage 3/16" (4.8 mm)



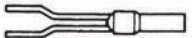
No. 7545 FINE TIP 1/16" (1.6 mm)



No. 7574 CONCAVE CENTERING TIP
5/32" (4 mm)



No. 7573 TINNING TIP 5/32" (4 mm)



No. 7572 BLUNT TIP 5/32" (4 mm)



No. 7577 CHISEL TIP 5/32" (4 mm)



No. 7596 KNIFE TIP 1/32" (.8 mm)

High Efficiency Tips



No. 7535-100 HI-E REGULAR TIP
5/32" (4 MM)



No. 7545-100 HI-E FINE TIP
1/16" (1.6mm)



No. 7546-100 HI-E HEAVY DUTY TIP
high wattage 3/16" (4.8 mm)



No. 7566-100 HI-E MICRO SOLDERING TIP
1/64" (.4 MM)



No. 7577-100 HI-E CHISEL TIP
5/32" (4 mm)



No. 7579-100 HI-E BEVELED TIP
3/32 (2.4 mm)

Long Life Tips



No. 7484 LONG LIFE MICRO TIP
1/64" (0.4 MM)



No. 7482 LONG LIFE ULTRA FINE TIP
0.010" - 0.015"

Please read these IMPORTANT INSTRUCTIONS ...

Congratulations on your purchase of an "Iso-Tip" Cordless Soldering Iron. Proper care will give you years of service from this fine tool. THE IRON IS SHIPPED WITH THE BATTERIES UNCHARGED.

INSTALLING TIP:

Align tip leads over the terminal holes. Push inward and upward until tip is fully seated. To remove — pull straight out. If it is desired to attach the tip permanently to the terminals, remove the two terminal screws and take off the two springs. Then insert the tip into the tip holders, replace the screws and tighten.

RECHARGING

The recharging stand is designed to be operated on 100 to 120 Volts, 50-60 Cycle. To recharge, place the "Iso-Tip" in the recharging stand with the pushbutton toward the front. Plug charger only into a 120 Volt AC, 50/60 Cycle receptacle. Recharge from "DEAD" to "FULL CHARGE" (recharging stand) #7700, #7740, #7904, #7944, Quick Charge and Power Pro units in 3-4 1/2 hours. It is suggested to charge iron when received and to leave in recharging stand when not in use. Soldering iron will not overcharge.

The recharging stand for the 7944 and 7904 has an LED to indicate charging status. "RED" indicates that the iron is not charging; "GREENISH YELLOW" indicates that the iron is charging. If the "RED" light appears when you place the iron in the stand, always check to see that the stand is connected to a power source.

REPLACING THE BATTERIES

In the unlikely event that you have to replace the soldering iron's Ni-Cad batteries:

- 1) Remove three screws from case. Remove cover carefully.
- 2) Remove switch/contact screw. Lift switch spring and tip holder assembly up and remove from unit.
- 3) Remove 2 screws located on ends of battery pack.
- 3a) Remove battery pack.
- 4) Install new battery pack with 2 screws.
- 5) Replace switch spring and tip assembly in case. Use caution! Do not touch the other tip assembly.
- 6) Replace switch contact screw.
- 7) Replace cover and 3 screws.



This product uses a nickel-cadmium (Ni-Cad) battery, which must be disposed of properly. In some states it is illegal to dispose of this battery in the trash. Call 1 (800) BATTERY [1 (800) 822-8837] for your nearest Ni-Cad recycling site.

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 coated or solid with the proper flux for electronics work. Apply solder ONLY at the point of the tip.

TO OPERATE:

Turn 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. Flux the joint, if necessary.
2. Remove "ISO-TIP" from its recharging stand, depress pushbutton, wait 3-5 seconds and 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. Unnecessary usage will reduce joint capacity as will too large work.
7. Check your work; a good solder joint should look smooth and bright.
8. After connection has cooled, trim off excess wire.

RECOMMENDED PRACTICES AND ANSWERS TO FREQUENTLY ASKED QUESTIONS:

- (1) You **CAN** leave your "ISO-TIP" 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.