

Instructions  
for

**EDSYN<sup>INC</sup>®**

CL1481  
LONER<sup>®</sup>

Constant Temperature Soldering Tool  
(Not Temperature Controlled)



### Product Features

- Economical soldering tool ideal for a wide variety of electronic tasks
- Lightweight slim handle with burn resistant cord
- Uses a wide variety of soldering tips
- Quick and easy tip change with stainless steel barrel
- Cushion grip handle with enclosed heating element for comfort and improved performance
- Designed and assembled in the USA
- UL and ESD Safe
- 90 day warranty

## Tip Cleaning

1. Plug in tool and set to desired temperature. Blinking lamp means tool is ready.
2. TIN the tip with **LT-1** and apply solder before soldering.
3. Do not rub, bend, or file tip.
4. Always clean the tip by wiping it against the saturated sponge.
5. Always RE-TIN the tip with **LT-1** before and after use.



## Basic Soldering

1. Plug in tool and allow tool to heat up.
2. Pre-heat the area to be soldered. Approximately 2 seconds for component leads.
3. With the tip still in contact with the working area, apply solder on the working area. (for solder, ask for **SS652**)
4. Always clean the tip by wiping it against a moist sponge or **EA439** Dry Tip Cleaner and always RE-TIN with the **LT-1** Tip Tinner and Cleaner.

## Desoldering

1. Melt solder in the area you want to desolder.
2. While keeping solder in a molten state, use a desoldering tool from Edsyn's **SOLDAPULLT®** line to extract the molten solder.

## Changing Tip

Efficiency is greatly dependent on choosing the proper tip to meet each application. To change tip:

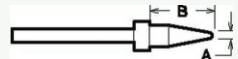
1. MAKE SURE YOUR TOOL IS COOL!
2. Using a **WT623** Tip Wrench, turn **HC273** counter clockwise and remove.
3. Pull out tip from heater.
4. Insert new soldering tip into heater and install **HC273** back on.







More Tips are available at our website ([www.edsyn.com](http://www.edsyn.com)) or in our General Line Catalog.

### Soldering Tips

Iron Plated for long life-Nickel and Chrome Plated for optimum heat transfer  
Contact Edsyn for more tip selections



		Width A	Length B
	<b>LT374</b> LONER Conical Soldering Tip	.03" (0.8mm)	.48" (12.2mm)
	<b>LT375</b> LONER Spade Soldering Tip	.06" (1.5mm)	.48" (12.2mm)
	<b>LT392LF</b> LONER Conical Soldering Tip High Temperature Rated for Lead Free Process	.02" (0.5mm)	1.13" (28.8mm)
	<b>LT394</b> LONER Spade Soldering Tip	.07" (1.8mm)	.93" (23.6mm)

## Soldering Tool Holders



**IP329**  
IDLE-REST Soldering Tool  
Base with PD528 Tool Pod



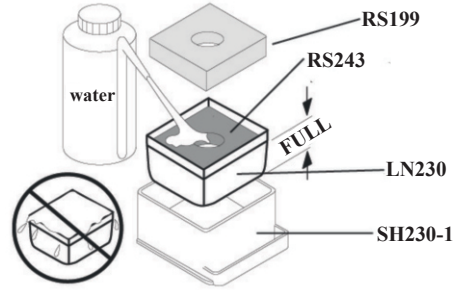
**IP481**  
IDLE-REST Static-Safe  
Soldering Tool Base with  
PD528 Tool Pod



**IP489**  
IDLE-REST Static-Safe Hot  
Air Tool Base with PD528  
Tool Pod

## Maintenance

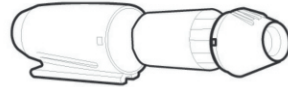
- Replace RS199 Cleaning Sponge
1. Fill water only to the top of the RS243
  2. Depress RS199 to moisten it completely



**Caution:**  
Overfilling can cause thermal shock to the tip or Heating element during tip cleaning

## Replace SC581 Solder Collector

1. Hold SR042 firm and turn SR043 counter-clockwise and pull it apart.
2. Remove used SC581 and replace with a new one.
3. Reassemble SR042 to SC581 (for correct fit line up tabs to slots)



**SR042** Thermal Housing      **SC581**      **SR042** Front Housing

## CL1481 Kit Options

### CL1481-K2

Value Soldering Kit with 30W Soldering Tool and EA439-C Tip Cleaner



### CL1481-K3

LONER Constant Temperature Soldering Iron and IP491 Holder Kit



# CL1481 Specifications

<b>Power Requirements</b>	120V, 60Hz
<b>Power Rating</b>	30W
<b>Heater Rating</b>	120V, 30W
<b>Temperature Range</b>	850°F/454°C
<b>Temperature Regulations</b>	±6°F/±3°C
<b>Tip-to-Ground Voltage</b>	
<b>Leakage/Resistance</b>	< 2mV/< 2 ohms
<b>Overall Dimension</b>	4" 3-wire cord iron is 7½" long
<b>Weight</b>	3.5 oz (99.2 grams)

## Warranty

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Edsyn stands behind its products. We warrant that new tools will be free from defects for 90 days from the date of purchase. During this time period Edsyn will repair or, at its option, replace the tool at no charge. This warranty does not include tips and accessories. Any tool that appears to have been deliberately abused, altered, or destroyed is not covered by this warranty.

## Technical Support

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Contact our Customer Service for assistance related to the purchase of this product or recommendations on a challenge that you may encounter. There are many replacement parts that are available to keep your tool in top condition. To speak to someone in Customer Service, call 818-989-2324.

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Labels and instructions will supersede this information.



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Form. 582  
Rev B