

# LEAD-FREE TEMPERATURE-CONTROLLED SOLDERING STATIONS

**6 seconds to set temperature.**  
The ultimate solution for lead-free soldering.



## TEMPERATURE-CONTROLLED LEAD-FREE SOLDERING STATION RX-802AS



**New Soldering Iron Stand**  
More stable, better operation

### Excellent Heat Recovery (PAT.)

There is almost no temperature fluctuation during continuous operation. Good for lead-free soldering.

### Fastest in Its Class

Reaches set temperature in just 6 seconds after turning power on.

### Tip Replacement without Tools (PAT.)

Slide-change tip. Easy to replace a hot tip without any other tools.

### Reduced Grip Heat

Patented thermal-insulation grip permits comfortable and safe work.

### Thick Tip Coating for Lead-free Soldering





All tips have extra-thick iron plating, to resist erosion by lead-free solder.

#### HOW TO CHANGE TIPS

Slide the lever in the direction of the arrow. The tip will come out. Hold and pull the plastic housing of the tip.



### INCLUDED

|   |  |   |  |
|---|--|---|--|
| Station Unit<br> | Soldering Iron<br>RX-80GAS<br><br>Tip is not included | Tip<br>RX-80HRT-BM<br> | Soldering Iron Stands<br>ST-21<br><br>Brass Wool & Sponges included |
|---|--|---|--|

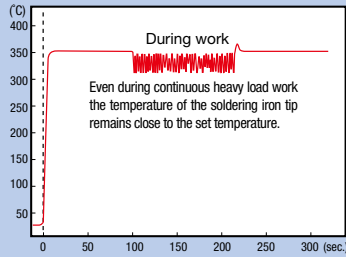
# PRODUCT SPECIFICATIONS / FUNCTIONS

## TIP-TEMPERATURE RECOVERY FEATURES

The tip temperature remains close to set temperature even during heavy load work.

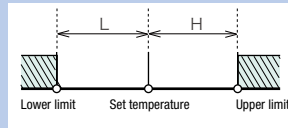
### Measurement method

A generous amount of lead-free solder on a land of 6mm dia. dissolving 40 points in succession.



## HIGH/LOW TEMPERATURE ALARM

An alarm sounds when the temperature goes above or below temperature settings. High/low setting range 3-100°C.

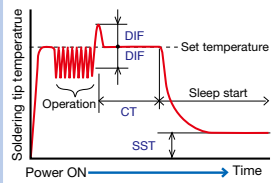


## INTELLIGENT SLEEP FUNCTION (PAT.)

Automatically lowers the temperature when the iron is not in use, during a preset period of time. Prevents tip oxidation and excess heating. Can be used with Shutdown function.

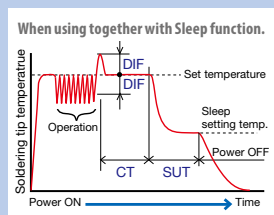
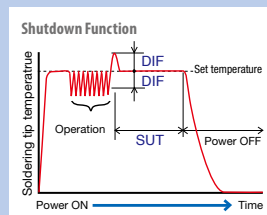
### SLEEP FUNCTION RELEASE (PAT.)

Sleep mode can be exited (at any time) by touching a wet sponge with the tip to cause temperature fluctuation. (Effective when temperature is set above 100°C)



**MODE:** Sleep function ON/OFF  
**CT:** Sleep start time  
**SST:** Sleep set temperature  
**DIF:** Sleep sensitivity  
 Each parameter can be set.

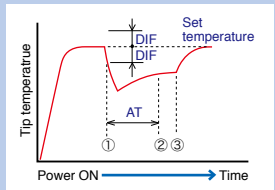
## SHUTDOWN FUNCTION



When the unit is not used during the preset time, the unit automatically shuts down. Great when you forget to turn the power off.

## SOLDERIG ALARM FUNCTION (PAT.)

- (1) Soldering time countdown (AT) starts when the tip is applied to the component. (The tip temperature goes outside DIF)
- (2) The alarm sounds after the preset countdown. (The display flashes twice)
- (3) Operator takes the tip off the component.



### KEY LOCK (PAT.)

Lock with password. No tools or card necessary.

### CALIBRATION (PAT.)

The calibration function digitally offsets the difference between the tip temperature and the temperature shown by a tip thermometer being used.

### NEW ERGONOMIC GRIP (PAT.)

Prevents fatigue. Flexible cord, and a shorter distance from the handpiece to the tip.

## SPECIFICATIONS

| Model                     | RX-802AS  |
|---------------------------|---|
| Voltage                   | 110V,120V,130V,220V,230V,240V AC 50/60Hz                            |
| Power Consumption         | 80W   |
| Power Cord Length         | 1.2m  |
| Temperature Setting Range | 50-450°C  |
| Ripple temperature        | ±5°C (unloaded)   |
| Insulation Resistance     | Over 100MΩ (500V DC)  |
| Accessories               | Soldering Iron Stand (ST-21), Soldering Iron Tip (with RX-80HRT-BM) |

### Control Unit

|                |                           |
|----------------|---------------------------|
| Output Voltage | 24V AC                    |
| Dimensions     | 115(W) × 98(H) × 146(D)mm |
| Weight         | 1.8kg                     |

### Soldering Unit

|                     |                          |
|---------------------|--------------------------|
| Voltage/Consumption | 24V AC / 72W             |
| Ground Resistance   | Less than 2Ω             |
| Leak Voltage        | Less than 2mV            |
| Heater              | Nichrome heater          |
| Cord Length         | 1.2m                     |
| Length              | 158mm (with RX-80HRT-MB) |
| Weight              | 28g (with RX-80HRT-MB)   |

Equivalent to IPC/EIA J-STD-001C

\*The length does not include the cord bushing. The weight does not include the cord.

For replacement tips, refer to p.16 & p.17

## CALIBRATION SERVICES

We provide calibration and/or certification for a fee.

## REPLACEMENT PARTS / OPTIONS

|   |  |  |   |
|---|--|--|---|
| Soldering Iron<br><b>RX-80GAS</b><br><br>Tip is not included | Soldering Iron Stand Sponge<br><b>ST-53SP</b><br> | Soldering Iron Stand Cleaner<br><b>ST-40BW</b><br><br>(2pcs./set) | Flux Guard Rubber<br><b>RX-80P</b><br> |
|---|--|--|---|

### Accessories HANDPIECE GRIP RUBBER (Anti-static)

For quick identification of soldering tasks or types.

**RX-80RB** : gray      **RX-80RB-GR** : green  
**RX-80RB-BK** : black      **RX-80RB-OR** : orange



with RX-80P



with RX-80RB

LEAD-FREE TEMPERATURE-CONTROLLED SOLDERING STATIONS  
 TEMPERATURE-CONTROLLED SOLDERING IRONS  
 HIGH EFFICIENCY SOLDERING IRONS  
 GENERAL/SPECIAL PURPOSE SOLDERING IRONS  
 SOLDER POTS  
 SURFACE MOUNT / SMT PRODUCTS  
 DESOLDERINGS  
 SOLDERING ACCESSORIES  
 SOLDERING WORK MATERIALS  
 HEATED TOOLS  
 HAND TOOLS