

# SOLDERING IRONS [LEAD-FREE TEMPERATURE-CONTROLLED STATIONS]

Phenomenal heat recovery with 150 W compact high-output heater.



## TEMPERATURE-CONTROLLED LEAD-FREE SOLDERING STATION RX-852AS



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

Tip not included.

**CALIBRATION SERVICES**  
We provide calibration and/or certification for a fee.

### Excellent Heat Recovery (PAT.)



Up to 22 mm<sup>2</sup> copper wire can be soldered.

Excellent heat recovery has been achieved by combining a 150 W compact high-output heater with a high-sensitivity sensor.

### Thick Tip Coating for Lead-free Soldering

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

### RX-80HRT Tips also Available

More than 40 tips are available, including the RX-80HRT tips.



Slim tips now added to line-up.

### Fastest in Its Class

Reaches 350°C in only 14 seconds. (Only 6 seconds when using RX-80HRT tips.)

### Light and Compact Handpiece

Same size as the RX-80GAS.

### Tip Replacement without Tools (PAT.)

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

### 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.



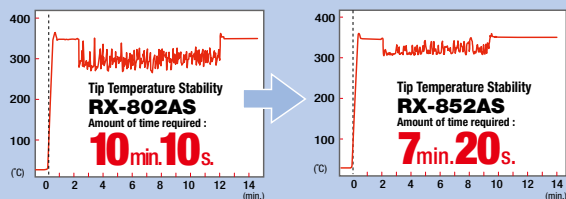
### INCLUDED

|                  |                                               |                                                                 |
|------------------|-----------------------------------------------|-----------------------------------------------------------------|
| Control Unit<br> | Iron Unit RX-85GAS<br><br>Tip is not included | Soldering Iron Stand ST-22<br><br>Brass Wool & Sponges included |
|------------------|-----------------------------------------------|-----------------------------------------------------------------|

## PRODUCT SPECIFICATIONS / FUNCTIONS

### TIP-TEMPERATURE RECOVERY FEATURES

**Soldering efficiency increased by 39%!**

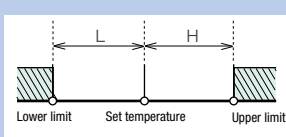


A generous amount of lead-free solder on a land of 20 mm dia. dissolving 35 points in succession at 350°C.

Shortens soldering time significantly, and the tip temperature is more stable.

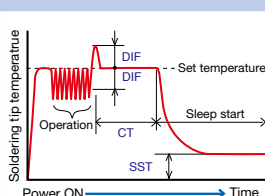
### HIGH/LOW TEMPERATURE ALARM

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.

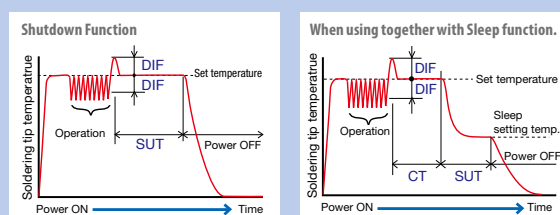


#### SLEEP FUNCTION RELEASE (PAT.)

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.

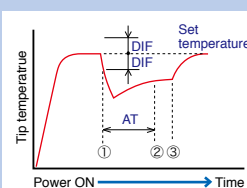
### SHUTDOWN FUNCTION



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

### SOLDERING 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-852AS                                                                                                                                                                                                                                    |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Voltage                   | 110-120 V, 220-240 V AC 50/ 60 Hz                                                                                                                                                                                                           |
| Power Consumption         | 145-170 W                                                                                                                                                                                                                                   |
| Power Cord Length         | 1.5 m inlet type                                                                                                                                                                                                                            |
| Temperature Setting Range | 50-450°C                                                                                                                                                                                                                                    |
| Ripple temperature        | ±5°C (unloaded)                                                                                                                                                                                                                             |
| Insulation Resistance     | Over 100 MΩ (500 V DC)                                                                                                                                                                                                                      |
| Applicable Iron Units     | 150 W High-heat-capacity Iron Unit <b>RX-85GAS</b> (included)<br>80 W Standard Iron Unit <b>RX-80GAS</b> (sold separately)<br>Micro-Iron Unit <b>RX-81GAS</b> (sold separately)<br>Soldering Tweezers Unit <b>XST-80G</b> (sold separately) |
| Accessories               | Iron Unit ( <b>RX-85GAS</b> )<br>Soldering Iron Stand ( <b>ST-22</b> )                                                                                                                                                                      |

#### Control Unit

|                |                                |
|----------------|--------------------------------|
| Output Voltage | 24 V AC                        |
| Dimensions     | 116 (W) × 105 (H) × 194 (D) mm |
| Weight         | 4.8 kg                         |

#### Iron Unit

| Model               | RX-85GAS                           |
|---------------------|------------------------------------|
| Iron Unit           | 150 W High-heat-capacity Iron Unit |
| Voltage/Consumption | 24 V AC / 150 W                    |
| Ground Resistance   | Less than 2 Ω                      |
| Leak Voltage        | Less than 2 mV                     |
| Heater              | Nichrome heater                    |
| Cord Length         | 1.5 m                              |
| Length              | 174 mm (with <b>RX-85HRT-5D</b> )  |
| Weight              | 39 g (with <b>RX-85HRT-5D</b> )    |

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. 28 & p. 29

For Soldering Tweezers XST-80G, refer to p. 56

## REPLACEMENT PARTS / OPTIONS

|                                                                                                                                                     |                                                                                                                                                     |                                                                                                                                                     |                                                                                                                                      |                                                                                                                                                       |                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| RX-852AS Iron Unit<br><b>RX-85GAS</b><br><br>Tip is not included | RX-802AS Iron Unit<br><b>RX-80GAS</b><br><br>Tip is not included | RX-812AS Iron Unit<br><b>RX-81GAS</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

Applicable Iron Unit : RX-80GAS/ RX-85GAS/ RX-81GAS



with RX-80P



with RX-80RB