

# SOLDERING IRONS [LEAD-FREE TEMPERATURE-CONTROLLED 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

Tip not included.

### CALIBRATION SERVICES

We provide calibration and/or certification for a fee.

### 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 (PAT.)

Patented thermal-insulation grip permits comfortable and safe work.

### Thick Tip Coating for Lead-free Soldering

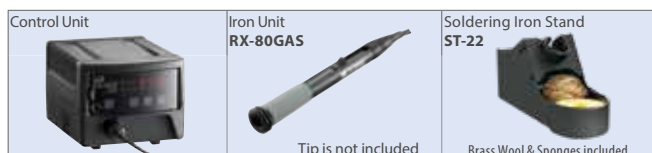
All tips have extra-thick iron plating, to resist erosion by lead-free solder.

### 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.



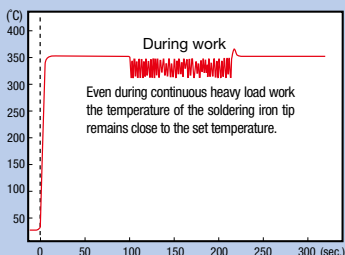
### INCLUDED



## PRODUCT SPECIFICATIONS / FUNCTIONS

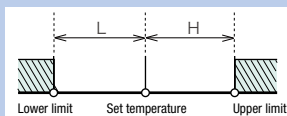
### TIP-TEMPERATURE RECOVERY FEATURES

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



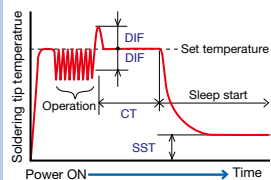
### HIGH/LOW TEMPERATURE ALARM

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.

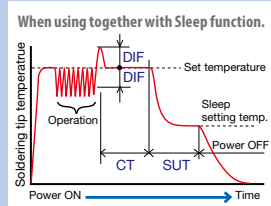
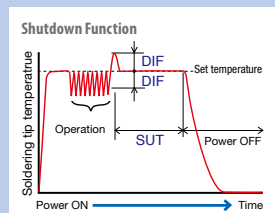


#### SLEEP FUNCTION RELEASE (PAT.)

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.

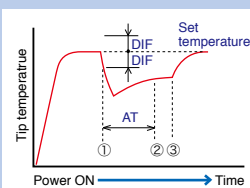
### SHUTDOWN FUNCTION



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-802AS
Voltage	110 V, 120 V, 220 V, 230 V, 240 V AC 50/ 60 Hz
Power Consumption	80 W
Power Cord Length	1.2 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	80 W Standard Iron Unit <b>RX-80GAS</b> (included) Micro-Iron Unit <b>RX-81GAS</b> (sold separately) Soldering Tweezers Unit <b>XST-80G</b> (sold separately)
Accessories	Iron Unit ( <b>RX-80GAS</b> ) Soldering Iron Stand ( <b>ST-22</b> )

#### Control Unit

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

#### Iron Unit

Model	RX-80GAS
Iron Unit	80 W Standard Iron Unit <b>RX-80GAS</b>
Voltage/Consumption	24 V AC / 72 W
Ground Resistance	2 Ω or less
Leak Voltage	Less than 2 mV
Heater	Nichrome heater
Cord Length	1.2 m
Length	158 mm (with <b>RX-80HRT-BM</b> )
Weight	28 g (with <b>RX-80HRT-BM</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

For Soldering Tweezers XST-80G, refer to p. 58

## REPLACEMENT PARTS / OPTIONS

RX-802AS Iron Unit <b>RX-80GAS</b>	RX-812AS Iron Unit <b>RX-81GAS</b>	Soldering Iron Stand Sponge <b>ST-53SP</b>	Soldering Iron Stand Cleaner <b>ST-40BW</b>	Flux Guard Rubber <b>RX-80P</b>
				
Tip is not included	Tip is not included		(2pcs/set)	

#### 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

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