

SOLDERING IRONS [LEAD-FREE TEMPERATURE-CONTROLLED STATIONS]

Solder or desolder small parts in small spaces.



TEMPERATURE-CONTROLLED LEAD-FREE MICRO SOLDERING STATION

RX-812AS

RX-812AS package uses Lead-Free Soldering Station RX-802AS.



VERY THIN GRIP
Improved handling and visibility.

Tip not included.

FASTEST IN ITS CLASS
4 seconds to set temperature

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

Ergonomic Grip Design

New grip is designed for and adapted to $\varnothing 2.9$ mm superfine tip.

Fastest in Its Class

Reaches set temperature within 4 seconds after turning power on.

Wide Variety of Replacement Tips

80 W RX-80HRT Tips also available instead of RX-81HRT tip.

Tip Replacement without Tools (PAT.)

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

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.



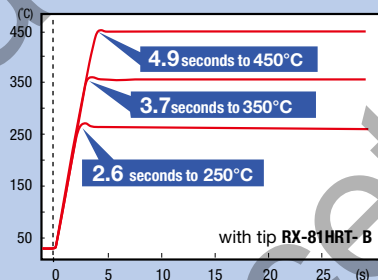
INCLUDED

Control Unit 	Iron Unit RX-81GAS 	Soldering Iron Stand ST-22 
	Tip is not included	Brass Wool & Sponges included

PRODUCT SPECIFICATIONS / FUNCTIONS

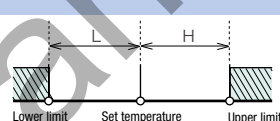
HEATING

RX-812AS reaches 350°C in only 3.7 seconds, and 450°C in 4.9 seconds. Fastest heating in its class.



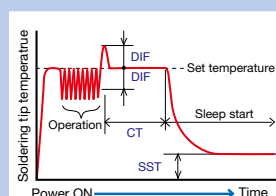
HIGH/LOW TEMPERATURE ALARM

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.

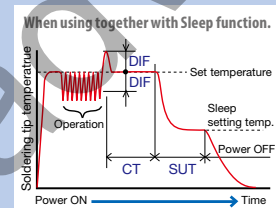
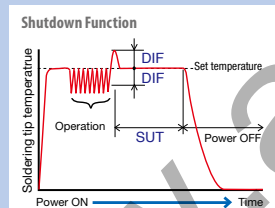


SLEEP FUNCTION RELEASE (PAT.)

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.

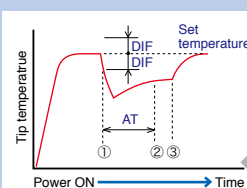
SHUTDOWN FUNCTION



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-812AS
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
Temperature Setting Range	50–450°C
Ripple temperature	±5°C (unloaded)
Insulation Resistance	Over 100 MΩ (500 V DC)
Applicable Iron Units	Micro-Iron Unit RX-81GAS (included) 80 W Iron Unit RX-80GAS (sold separately) Soldering Tweezers Unit XST-80G (sold separately)
Accessories	Iron Unit (RX-81GAS) Soldering Iron Stand (ST-22)

Control Unit

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

Iron Unit

Model	RX-81GAS
Iron Unit	Micro-Iron Unit
Voltage / Consumption	24 V AC / 72 W
Ground Resistance	Less than 2 Ω
Leak Voltage	Less than 2 mV
Heater	Nichrome heater
Cord Length	1.2 m
Length	149 mm (with RX-81HRT-SB)
Weight	26 g (with RX-81HRT-SB)

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. 56

REPLACEMENT PARTS / OPTIONS

Micro Iron Unit RX-81GAS	80 W Iron Unit RX-80GAS	Soldering Iron Stand Sponge ST-53SP	Soldering Iron Stand Cleaner ST-40BW
			
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

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



with **RX-80RB**