

# Temperature-controlled Soldering Station RX-780AS



### ● Fastest in Its Class

Reaches 350 °C in just 30 seconds with a standard tip.

### ● Sleep (PAT. P)

Goes to sleep when not in use.

### ● Vibration Sensor in Grip

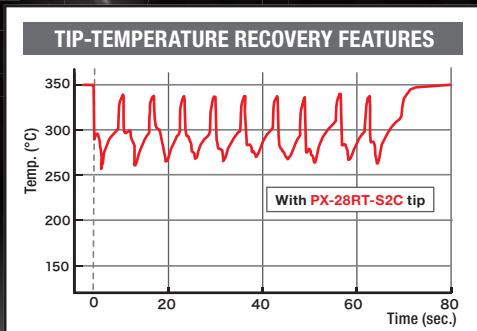
Wakes up quickly when moved.

### ● Shutdown (PAT. P)

Shuts down automatically when not used.



ST-27



Tip temperature and time to complete the operation when melting 10 consecutive spots of lead-free solder, hardened on 4mm countersunk screws, at a set temperature of 350 °C.  
(WES 2810:2012, page 2, the test method of heat recovery for soldering iron)

Model	RX-780AS
Voltage	110V, 120V, 220V, 240V AC 50/60Hz
Power Consumption	80W
Soldering Iron Voltage/ Wattage	24V AC / 70W
Temperature Setting Range	200-480°C
Size	Iron Unit Overall Length 183mm (w/o cord bushing) Control Unit 149(L) x 96(W) x 114(H)mm
Weight	Iron Unit 48g (w/o cord) Control Unit 1.8kg (w/o cord)
Ground Resistance	2Ω or less
Leak Voltage	Less than 2mV
Cord Length of Iron Unit to Control Unit	1.2m
Power Cord Length	1.5m (3 core cord with ground pin)
Accessories	Soldering Iron Stand (ST-27) Soldering Iron Tip (PX-28RT-S2C)

## ● Optional Tips

					<b>Overall View</b> 

## Tips for Insert Nuts

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# RX-780ASPH

RX-780AS with our N<sub>2</sub> Iron Unit

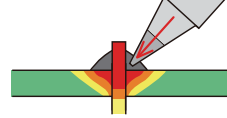


ST-27

Tip, N<sub>2</sub> nozzle are not included.

Improves solder wetting and fillet shape with N<sub>2</sub> station NC-100R (sold separately).

### Normal soldering iron



A tip alone heats only the solder joint area, so the PCB drains the heat. Solder wetting may also be poor.

### Nitrogen soldering iron



Nitrogen preheats the whole soldering area. This is particularly effective on a multi-layered PCB copper pattern. Better solder wetting.

NOTE: Preheat effect cannot be achieved by the RX-780ASPH alone. A Nitrogen gas generator is required. We recommend our NC-100R N<sub>2</sub> station.

A compact N<sub>2</sub> station combining N<sub>2</sub> generator and controller.

## N<sub>2</sub> Station NC-100R

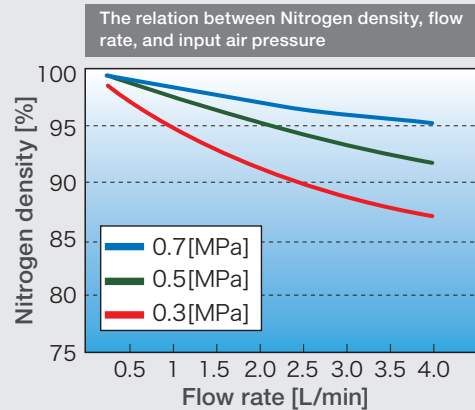


The special membrane separates nitrogen from compressed air.



## NITROGEN GENERATION DENSITY

(According to in-house measuring method)



MPa	L/min	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
0.3	0.5	98.7	96.6	94.5	92.0	90.8	89.7	88.5	87.5
0.5	0.5	99.8	99.2	98.0	96.8	95.7	94.8	93.8	92.6
0.7	0.5	99.9	99.7	99.2	98.3	97.7	97.1	96.3	95.4

An example of measured values

### SPECIFICATIONS

MODEL	NC-100R
Input Pressure	0.3–0.7 MPa
Input Temperature	5–50°C
Nitrogen Generation Density	99.5% or more (0.7 MPa, 0.5 L / min)
Recommended Nitrogen Generation Flow Rate	1.0 L / min
Flow Meter	0.5–4.0 L / min
Dimensions	118 (W) × 112 (H) × 185 (D) mm (not including protruding parts)
Weight	2 kg
Required Tube Dimension	Input: Outer diameter ø6 mm Output: Outer diameter ø4 mm



SOLDERING IRONS, EQUIPMENT & ACCESSORIES

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