



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.

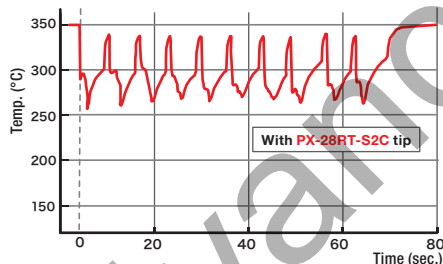
●Shutdown (PAT. P)

Shuts down automatically when not used.



ST-27

TIP-TEMPERATURE RECOVERY FEATURES



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

PX-28RT-S2C	PX-28RT-S2CF	PX-28RT-B	PX-28RT-SB	PX-28RT-1C	PX-28RT-1CF
PX-28RT-1BC	PX-28RT-2.3BC	PX-28RT-3BC	PX-28RT-3BCF	PX-28RT-4BC	PX-28RT-4BCF
PX-28RT-5C	PX-28RT-1.6D	PX-28RT-2.4D	PX-28RT-3.2D	PX-28RT-5D	PX-28RT-3K
PX-28RT-5K	PX-28RT-2.4RA	PX-28RT-3.2RA	PX-28RT-4.7RA	PX-28RT-SBJ	Overall View

Tips for Insert Nuts

PX-28T-NS	PX-28T-NL	PX-28T-NM2	PX-28T-NM2.6	PX-28T-NM3	PX-28T-NM4
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RX-780ASPH

RX-780AS with our N₂ Iron Unit

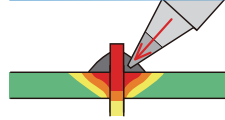
ST-27



Tip, N₂ nozzle are not included.

Improves solder wetting and fillet shape with N₂ 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 N₂ station.

A compact N₂ station combining N₂ generator and controller.

N₂ Station NC-100R



The special membrane separates nitrogen from compressed air.

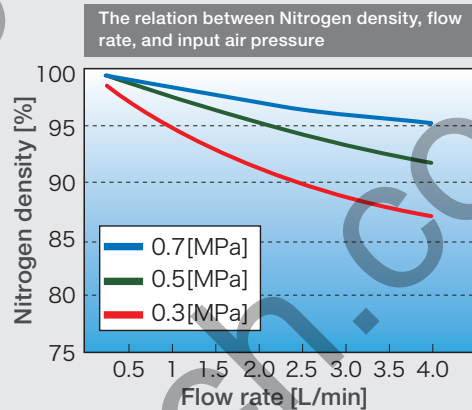


SPECIFICATIONS

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

NITROGEN GENERATION DENSITY

(According to in-house measuring method)



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

An example of measured values



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