IoT Capable Soldering Station

FN-1010 ESD SAFE *New*

IoT Capable Soldering Station | Digital

Tip not included

for LEAD FREE · ESD SAFE · RoHS

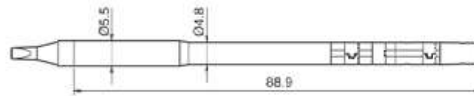Soldering · Soldering (Option) N2

Auto off · SLEEP · Low °C · OFFSET · PRE °C

- Enables human error-free temperature control and traceability of manual soldering process

Optional Tips for FN-1101

Unit: mm

Ø5.5 · Ø4.8 · 88.9

T36-B Shape-0.2B	T36-B2 Shape-0.5B	T36-BL Shape-BL	T36-BC1 Shape-1BC	T36-BC2 Shape-2BC	T36-BC3 Shape-3BC
R0.2 7.5	R0.5 10	R0.2 12	Ø1 1.1 45° 11.5	Ø2 2.1 45° 11.5	Ø3 3.3 45° 10

T36-C1 Shape-1C	T36-C4 Shape-4C	T36-D08 Shape-0.8D	T36-D16 Shape-1.6D	T36-D24 Shape-2.4D	T36-DL32 Shape-3.2DL
Ø1 1 60° 12	Ø4 4 45° 11.5	Ø0.8 0.5 3.2 9.5	Ø1.6 0.5 3.5 10	Ø2.4 0.5 4 10	Ø3.2 0.5 7.5 10

T36-D52 Shape-5.2D	T36-I Shape-I	T36-ILS Shape-ILS	T36-J02 Shape-0.2J	T36-JS02 Shape-0.2JS	T36-K Shape-K
Ø5.2 1.2 7 7.5	R0.2 9.5	R0.15 13.5	3.5 30° R0.2 11	1.6 30° R0.2 7.9	Ø4.7 2 45° 15

Features

"Process control" and "Traceability" can be established through daily manual soldering operation.

Information to be collected by T36 series tip

The following information can be collected by memory chip in T36 series tip and saved in a computer through a soldering station.

・Tip shape
・Serial number
・Number of loads
・Total time of power supplied
・Load Sensitivity
・Type of solder alloy (Lead-Free / Lead)
・Count alarm

Input

Output

Optimization of soldering conditions is now possible based on a variety of information in daily soldering process collected by FN-1010.

Connectable with N₂ soldering iron
To improve solder wettability and spreadability

FN-1102 ESD SAFE

N₂ Soldering Iron

Tip not included Please see the optional tips on P.48.

for LEAD FREE   ESD SAFE   RoHS

For further details, see the N₂ system (P.46 & P.47).

Packing List

FN-1010	Station, Handpiece (FN-1101), Tip cleaner (FT-401, with cleaning wire), Power cord, Iron holder, Instruction manual
FN-1102	Handpiece, Instruction manual

Specifications

Model No.	FN-1010
Power consumption	100 W
Temperature range	50 to 450°C
Temperature stability	±3°C at idle temperature

Station

Output voltage	AC 21 V
Dimensions	104 (W) × 138 (H) × 152 (D) mm
Weight	1.9 kg

Soldering Iron

Power consumption	95 W (21 V)
Tip to ground resistance	<2 Ω
Tip to ground potential	<2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length*	180 mm (with 2.4D tip)
Weight*	32 g (with 2.4D tip)

* Without cord

Model No.	FN-1102
Power consumption	95 W (21 V)
Tip to ground resistance	<2 Ω
Tip to ground potential	<2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length*	180 mm (with 2.4D tip)
Weight*	50 g (with 2.4D tip and nozzle assembly A)

* Without cord and tube