

# HAKO FX-888D ESD SAFE Soldering iron



- Digital model in an analog-model price bracket
- Features adjustment mode, preset mode, and password function
- Separable tip/heater design provides excellent value for money
- Supports the N<sub>2</sub> system.

## Specifications

**Model No.** FX888D

**Power consumption** 70W

**Temperature range** 200-480°C

**Temperature stability** ±1°C at idle temperature

- Station

**Output voltage** AC 26V

**Dimensions** 100(W)×120(H)×120(D)mm

**Weight** 1.2kg

- Soldering Iron

**Power consumption** 65W (26V)

**Tip to ground resistance** <2Ω

**Tip to ground potential** <2mV

**Standard tip** Shape-B (No.T18-B)

**Heating element** Ceramic heater

**Cord length** 1.2m

**Total length** 217mm (with B tip)

**Weight** 46g (with B tip)

\* Length and weight (w/o cord)

## Packing List

Model No.	Unit Color	Iron Holder Color	Packing list
No.FX888	Blue-Yellow	Blue-Yellow	Soldering station (FX-888D), Soldering iron (FX-8801 with soldering tip type B), Iron holder (with cleaning wire, cleaning sponge), Instruction Manual

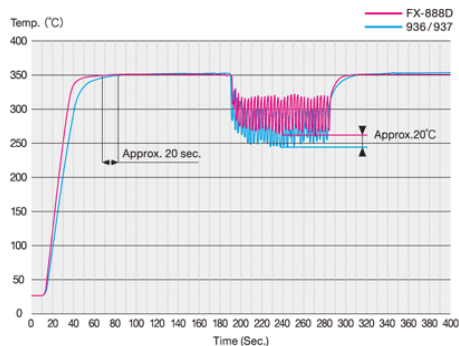
\*Rubber cleaner sold separately.

## Features

### Reliable digital technology by HAKKO – Introducing the HAKKO FX-888D

Excellent thermal recovery

- Heater output has been increased by 30% compared to that of the conventional models HAKKO 936· 937. Also FX-888D delivers excellent thermal recovery by using T18 series tips for their terrific heat conductivity. This allows soldering at a lower set temperature and reducing the thermal impact on components as well as tip oxidation that can shorten tip life.
- **Thermal recovery graph**  
Rise time to 350°C is 20 seconds faster and tip temperature drop is reduced during continuous work.



#### Test criteria

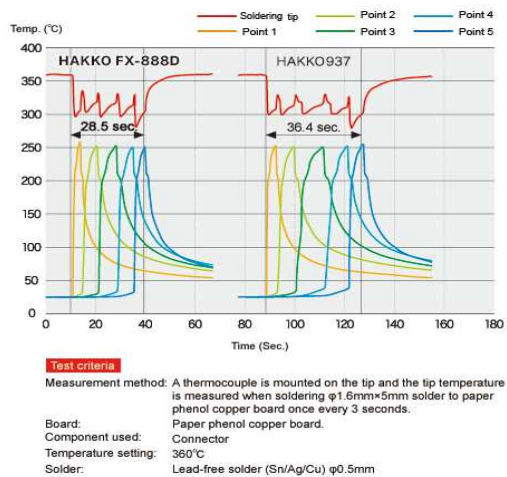
Measurement method: A thermocouple is mounted on the tip and the tip temperature is measured when soldering  $\Phi 1.6\text{mm} \times 5\text{mm}$  solder to paper phenol copper board once every 3 seconds.

Board: Paper phenol copper board

Temperature setting: 350°C

Solder: Lead-free solder (Sn/Ag/Cu)  $\Phi 1.6\text{mm} \times 5\text{mm}$

- **HAKKO FX-888D performance comparison graph with conventional stations**  
Able to shorten the time required for the same work and improve work efficiency significantly.



## Designed to be User-Friendly

- **Small footprint**

Compact station body requires a space of only 100 (W) x 120 (D) mm. What's more, points that come into contact with the floor are positioned as close to the outer edge of the body as possible to improve stability and make the station difficult to fall over.

- **Simple and easy operation**

With only two operation buttons of UP and ENTER in the center, operation is simple and easy. Even if you're not familiar with operation of machines, you can operate it without difficulty.

- **Iron holder with full of functions**

An iron holder of the same color of a soldering station comes as a set. The highly functional iron holder not only improves ease of use, but also brings a sense of visual consistency to the work environment.



## Blue & yellow



Soldering station    Iron holder

## Strict temperature management

- **Digital display**

The FX-888D's digital display makes it easy to check the set temperature at a glance.



- **Password function**

Settings can be locked using a password to prevent them from being changed unexpectedly. Of course, it is possible to restrict all setting changes or prevent users from switching to particular modes. It allows you to choose a style of usage best suited for your worksite.

- **Preset mode**

This feature is very convenient when you want to change the set temperature to suit a particular workpiece, component, or tip shape. Simply select the desired temperature from a selection of preset temperatures registered in advance. (Up to 5 preset temperatures can be registered.) Preset mode can save your trouble and improve workability.



- **Adjustment mode**

Temperature adjustment\* is an essential part of any strict quality control system. With adjustment mode, what used to be a troublesome procedure is now as simple as entering the measured tip temperature to FX-888D.

\*Adjust the tip temperature to match the set temperature in case that there is a difference between those temperatures due to tip shape, heater replacement, or other factors.



Measuring tip temperature with a tip thermometer (HAKKO FG-100)

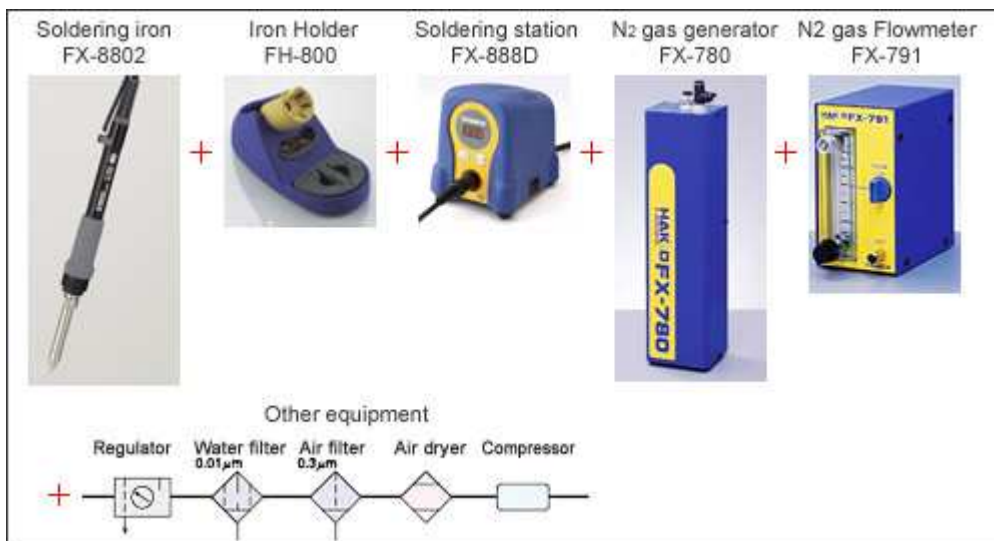
❖ [HAKKO FX-8802](#) N<sub>2</sub> (nitrogen) gas system



A space-saving N<sub>2</sub> system. Anti-oxidation and pre-heating significantly improve solderability.



—Example Configuration (N<sub>2</sub> System)



**[NOTE]** Soldering station, Iron holder, N<sub>2</sub> gas generator, and N<sub>2</sub> flowmeter must be purchased separately.

❖ [HAKKO FX-8803](#) One-hand, manual-solder-feed iron

— Example Configuration (One-hand, Manual-Solder-Feed System)



**NOTE** Soldering station and Iron holder must be purchased separately.

■ [HAKKO FX-8804](#) Hot tweezers

— Example Configuration (Hot Tweezer System)



**NOTE** Soldering station, cap, and Iron holder must be purchased separately.

## Usage / Applications

How to remove the bottom plate.



1. Press the slide lock button inward.

**Note** Press it firmly from upward. It is easy to open by the slide lock sloping inward.



2. Open the iron holder base while pressing the slide lock.

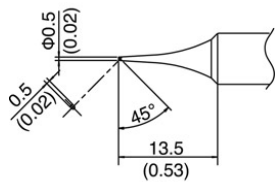


3. Remove the solder waste in the bottom plate.

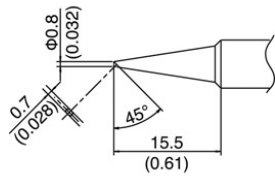
Soldering Tip / Nozzle

**T18 Series**

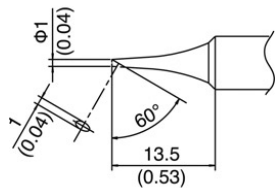
**Shape BC/C**



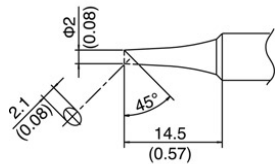
T18-C05 Shape-0.5C



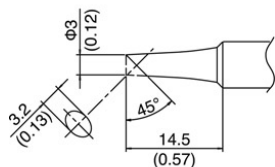
T18-C08 Shape-0.8C



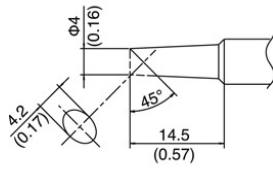
T18-C1 Shape-1C



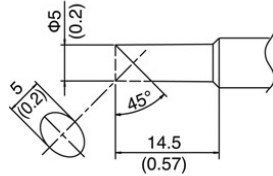
T18-C2 Shape-2C



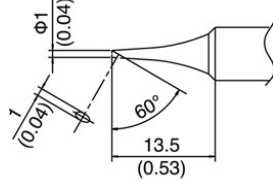
T18-C3 Shape-3C



T18-C4 Shape-4C

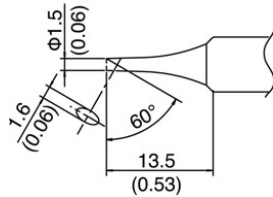


T18-C5 Shape-5C



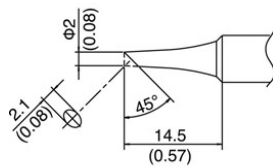
T18-CF1 Shape-1CF

Tinned cut surface only



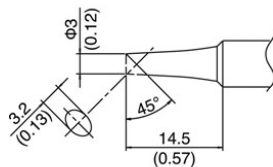
T18-CF15 Shape-1.5CF

Tinned cut surface only



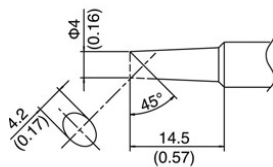
T18-CF2 Shape-2CF

Tinned cut surface only



T18-CF3 Shape-3CF

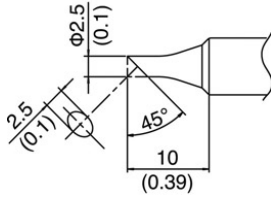
Tinned cut surface only



T18-CF4 Shape-4CF

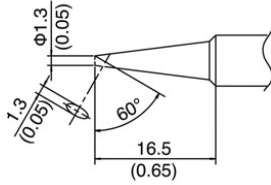


Tinned cut surface only



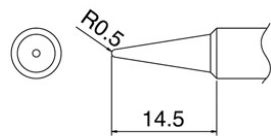
T18-CSF25 Shape-2.5CSF

This type has good heat transfer with short tip end design, tinned cut surface only.

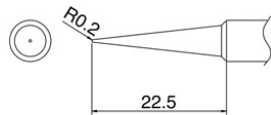


T18-S6 Shape-S6

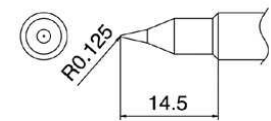
## Shape B



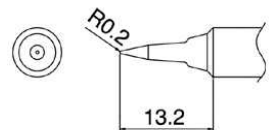
T18-B Shape-B



T18-BL Shape-BL

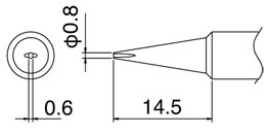


T18-S4 Shape-S4

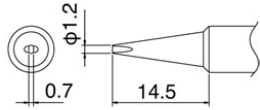


T18-SB Shape-SB

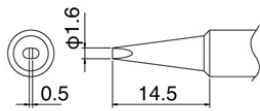
## Shape D



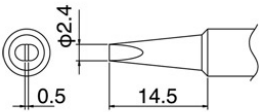
T18-D08 Shape-0.8D



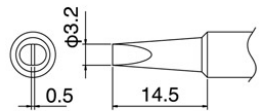
T18-D12 Shape-1.2D



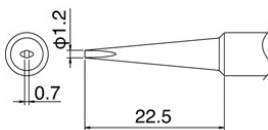
T18-D16 Shape-1.6D



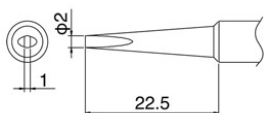
T18-D24 Shape-2.4D



T18-D32 Shape-3.2D

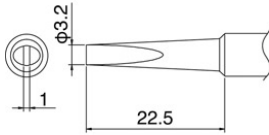


T18-DL12 Shape-1.2DL

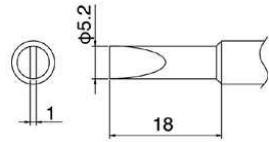


T18-DL2 Shape-2DL

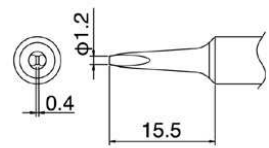




T18-DL32 Shape-3.2DL

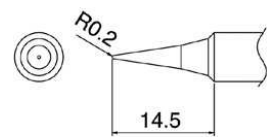


T18-S3 Shape-S3



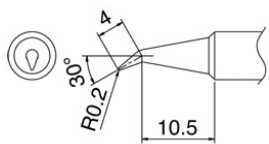
T18-S9 Shape-S9

## Shape I



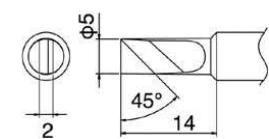
T18-I Shape-I

## Shape J












T18-BR02 Shape-0.2BR

## Shape K




T18-K Shape-K

## Replacement Parts

	Part No.	Name	Specifications
	FH800-01SV	Iron holder <w/ cleaning sponge, rubber cleaner, cleaning wire>	silver
	FH800-01BY	Iron holder <w/ cleaning sponge, rubber cleaner, cleaning wire>	blue & yellow
	FX8801-01	Soldering iron FX-8801	65W (26V)
	A1560	Heating element	65W (26V)
	B1785	Nut	
	B2022	Nipple	
	B3469	Tip enclosure	
	A1559	Cleaning sponge	
	A1561	Cleaning wire	

## Option

	Part No.	Name	Specifications
	B3474	Rubber cleaner	