

# HAKKO FX-888D

SOLDERING STATION



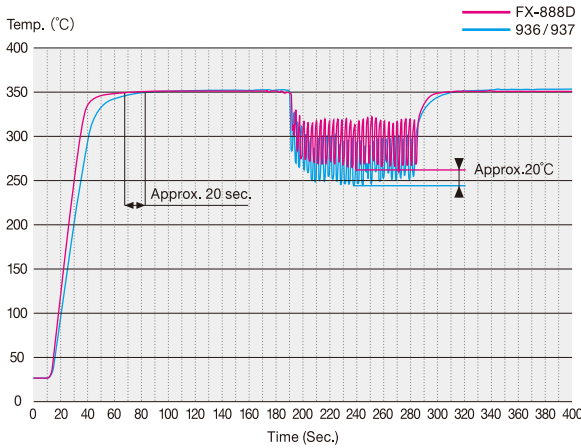
## Digital technology you can rely on – Introducing the HAKKO FX-888D

### Excellent thermal recovery characteristics

Boasting 30% higher output than the conventional HAKKO 936-937, the FX-888D delivers excellent thermal recovery by employing T18 series tips for terrific heat conductivity.

#### 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

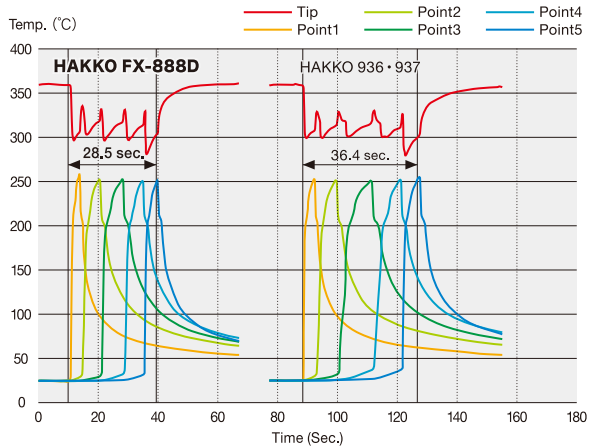
Temperature setting: 350°C

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

This allows soldering at a lower set temperature, reducing the thermal impact on components and helping to prevent reduced tip life due to oxidation.

#### Workability comparison graph

Reduces time required for the same task, achieving significantly improved efficiency.



#### Test criteria

Measurement method: Thermocouples are mounted on the tip and the soldered portion on the board, and the time until the soldered portion reaches 250°C is measured for 5 points.

Board: Paper phenol copper board

Component used: Connector

Temperature setting: 360°C

Solder: Lead-free solder (Sn/Ag/Cu)  $\Phi 0.5\text{mm}$

### Designed with ease-of-use in mind

#### Small footprint

Compact station body requires a space of only 100 (W) x 120 (D) mm.

#### More user friendly than ever

With only two centrally located operation buttons, operation is easy, even if you're a technophobe. Just press UP to select items, make changes, then press ENTER to confirm.

#### Wide range of functions

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

#### Diverse range of applications (optional accessories)

Meeting the needs of the worksite with support for a diverse range of applications.

#### N<sub>2</sub> System Soldering Iron FX-8802

Perfect for applications involving mildly activated flux and multilayer boards.

\*Requires N<sub>2</sub> gas generator (HAKKO FX-780) and flowmeter (HAKKO FX-791).



#### SMD Hot Tweezers FX-8804

Hot tweezers for SMD rework\*.

\*Removing chip parts and SOPs.



Station

Iron holder



Protective cap  
Reduces shock and noise when storing the iron.

Cleaning wire

Cleaning sponge

## Comprehensive 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 accidental or intentional temperature changes. It is also possible to restrict all setting changes or prevent users from switching modes, thus allowing you to choose a style of usage best suited for the work.



### Preset mode

Preset mode simplifies operation and improves ease-of-use. This feature is very handy 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.)



### Adjustment mode

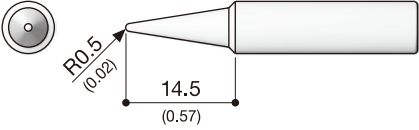
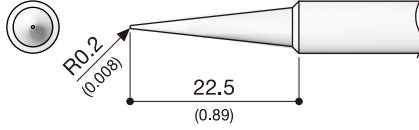
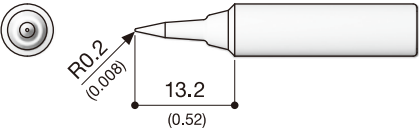
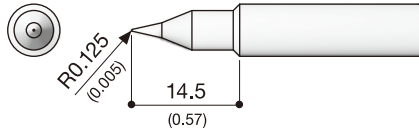
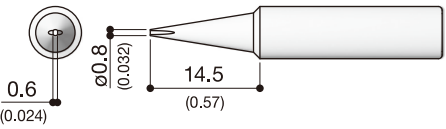
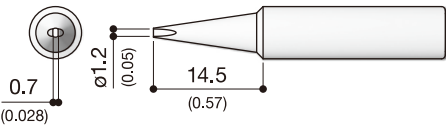
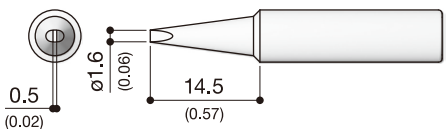
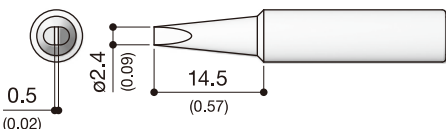
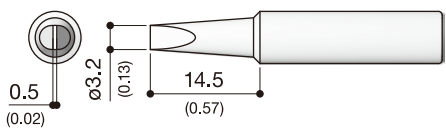
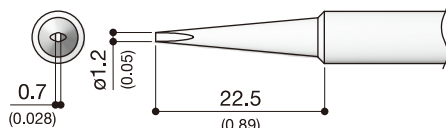
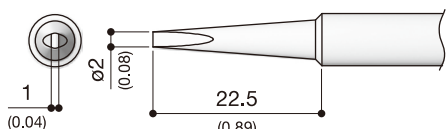
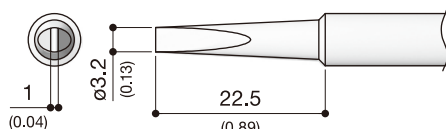
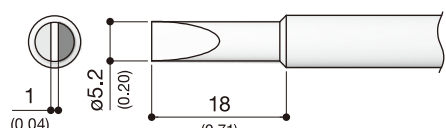
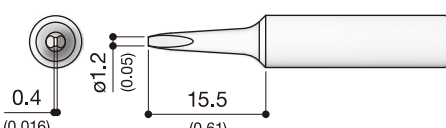
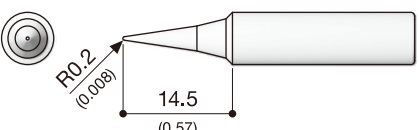
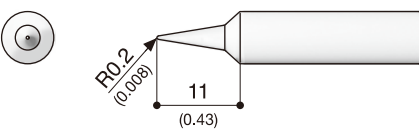
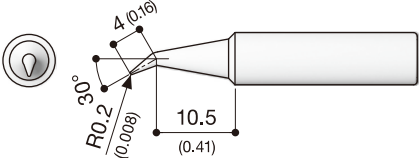
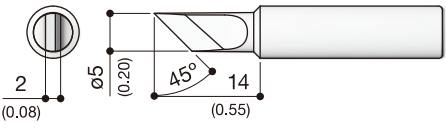
Temperature adjustment\* is an essential part of any strict quality control system. With adjustment mode, what used to be a troublesome procedure is now as simple as programming the FX-888D with the measured tip temperature.

\*Adjusting the tip temperature so that it is the same as the set temperature in the event that there is a difference between the set temperature and the measured tip temperature, which can be caused by tip shape, heater replacement, or other factors.

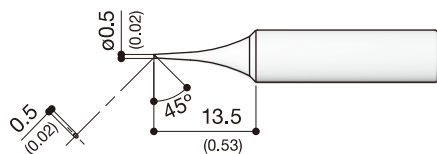
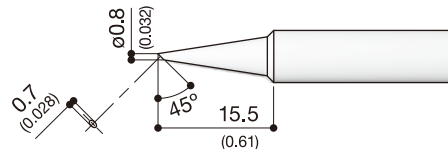
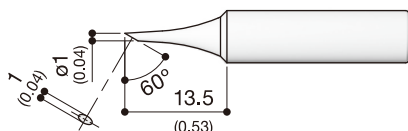
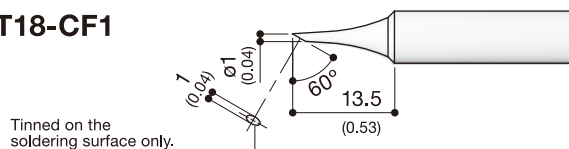
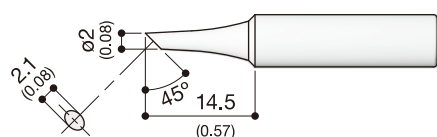
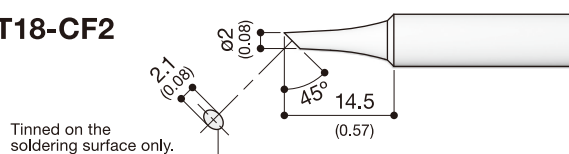
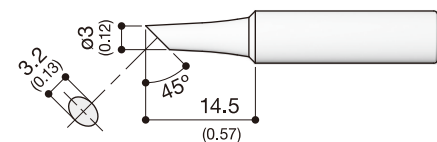
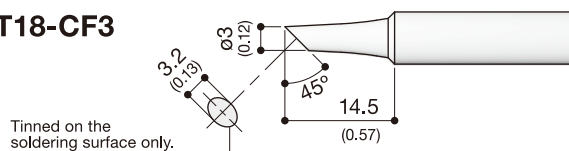
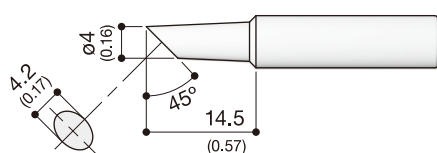
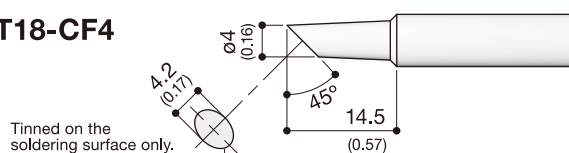
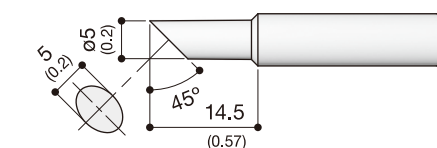
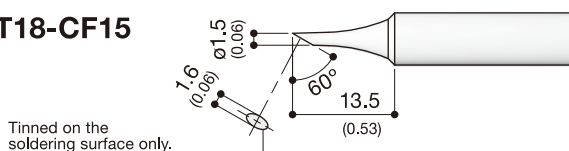
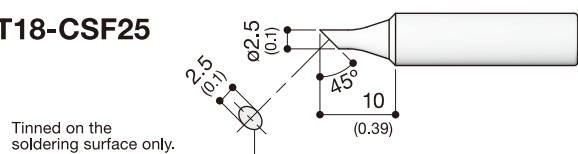
Photo: Measured using tip thermometer (HAKKO FG-100)



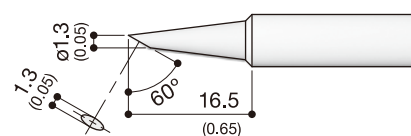
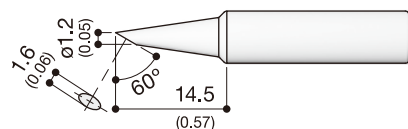
# Replacement Tips - T18 Series

Shape B	<b>T18-B</b> 	<b>T18-BL</b> 
	<b>T18-SB</b> 	<b>T18-S4</b> 
Shape D	<b>T18-D08</b> 	<b>T18-D12</b> 
	<b>T18-D16</b> 	<b>T18-D24</b> 
	<b>T18-D32</b> 	<b>T18-DL12</b> 
	<b>T18-DL2</b> 	<b>T18-DL32</b> 
	<b>T18-S3</b> 	<b>T18-S9</b> 
	<b>T18-I</b> 	<b>T18-IS</b> 
<b>Shape J</b> <b>T18-BR02</b> 	<b>Shape K</b> <b>T18-K</b> 	



**T18-C05**

**T18-C08**

**T18-C1**

**T18-CF1**

**T18-C2**

**T18-CF2**

**T18-C3**

**T18-CF3**

**T18-C4**

**T18-CF4**

**T18-C5**

**T18-CF15**

**T18-CSF25**


Tinned on the soldering surface only.

**T18-S6**

**T18-S7**


● Specifications

Model name		HAKKO FX-888D
Body color		Blue & yellow
Power consumption		70W
Temperature range		50-480°C (120-899°F)
Temperature stability		± 1°C (1.8°F) at idle temperature when set to 200-480°C (400-899°F)
Station	Output voltage	AC 26V
	Dimensions	100(W)×120(H)×120(D)mm (3.9×4.7×4.7 in.)
	Weight (w/o cord)	1.2kg (2.6 lb.)
Iron	Power consumption	65W (26V)
	Tip to ground resistance	<2Ω
	Tip to ground potential	<2mV
	Standard tip	Shape-1.6D (No.T18-D16)
	Heating element	Ceramic heater
	Cord length	1.2m (3.9 ft)
	Total length (w/o cord)	217mm (8.5 in.) with 1.6D tip
	Weight (w/o cord)	46g (0.1 lb./1.62 oz.) with 1.6D tip

● Replacement parts

Part number	Name/Description
A1559	Cleaning sponge
A1560	Heating element / 65W (26V)
A1561	Cleaning wire
B1785	Nut
B2022	Nipple
B3469	Tip enclosure

● ESD specifications

Anti-static measures have been implemented using conductive materials so that this product can be used to solder components that are easily susceptible to electrical damage.

● Packing list

FX-888D Station  
 FX-8801 Iron (with No.T18-D16)  
 Iron holder (w/cleaning sponge & cleaning wire)  
 Instruction Manual



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