

## FX-888D ESD SAFE

All-Round Soldering Station **Digital**

Tip included



- Features Adjustment mode, Preset mode, and Password function
- Separable tip/heater design provides superior cost performance.
- L type (large type) soldering iron FX-8805 is added to the lineup.

## FX-889 ESD SAFE

2-Port All-Round Soldering Station **Digital**

Tip included

\* 1 piece of FX-8801 is included as standard.



- All the user-friendly functions are succeeded from FX-888D.
- Two applications can be active at the same time.
- Applicable to all the options, N<sub>2</sub> soldering iron, Soldering gun, SMD Hot Tweezers, and L type (large type) soldering iron.

## Common features

### Strict temperature management

#### ● Digital display

FX-888D's and FX-889'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.

#### ● Preset mode

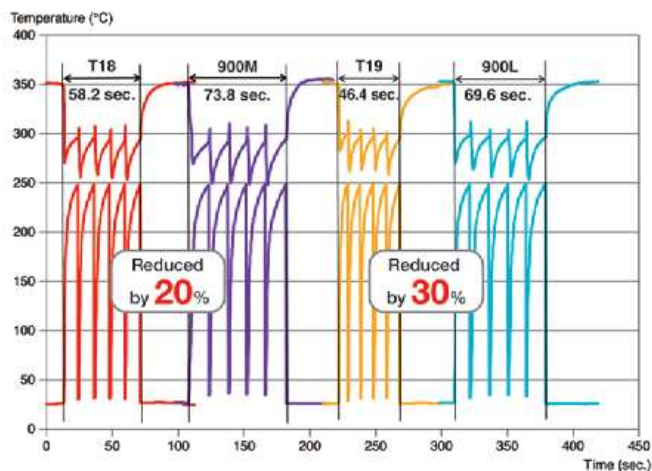
Simply select the desired temperature from a selection of preset temperatures registered in advance. (up to 5 preset temperatures can be registered.)



#### ● Adjustment mode

With adjustment mode, what used to be a troublesome procedure is now as simple as entering the measured tip temperature in FX-888D and FX-889.

#### ● FX-888D and FX-889 deliver excellent thermal recovery by using T18 and T19 series tips for their terrific heat conductivity.



### 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	Terminal
Tip shape	Shape-2.4D
Temperature setting	350°C
Solder	Lead-free solder (Sn/Ag/Cu), diameter: 0.5 mm



Measuring the tip temperature with a tip thermometer (FG-100B)

## Packing List

FX-888D	Station, Handpiece (FX-8801), Iron holder, Instruction manual
FX-889	Station, Handpiece (FX-8801), Power cord, Dual Iron Holder, Color band (qty 2), Instruction Manual

## Specifications

Model No.	FX-888D	FX-889
Power consumption	70 W	135 W
Temperature range	50 to 480°C	50 to 480°C
Temperature stability	±1°C at idle temperature (when set to 200 to 480°C)	

### Station

Output voltage	AC 26 V	AC 26 V
Dimensions	100 (W) × 120 (H) × 120 (D) mm	157 (W) × 121 (H) × 149 (D) mm
Weight	1.2 kg*	2.1 kg

### Soldering Iron

Power consumption	65 W (26 V)	65 W (26 V)
Tip to ground resistance	<2 Ω	<2 Ω
Tip to ground potential	<2 mV	<2 mV
Heating element	Ceramic heater	Ceramic heater
Standard tip	Shape-B (No. T18-B)	Shape-B (No. T18-B)
Cord length	1.2 m	1.2 m
Total length*	217 mm (with B tip)	217 mm (with B tip)
Weight*	46 g (with B tip)	46 g (with B tip)

\* Without cord

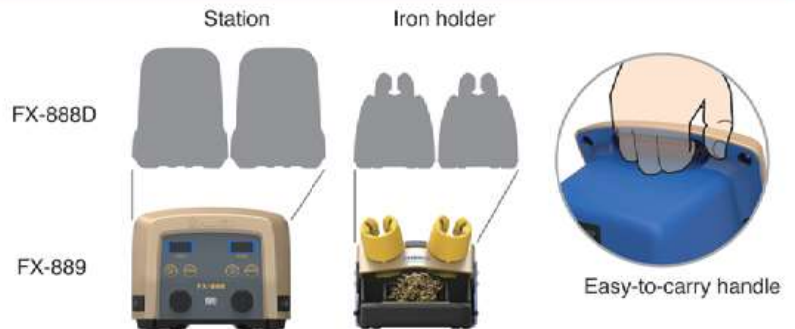
# All-Round Soldering Station and Accessories

## Features of FX-889

### User-Friendly Design

#### ● Space-saving design

The reduced foot print is smaller than 2 of FX-888D and its iron holder. Efficient setup is available even on smaller workbench.



#### ● Power-saving design

Independent switches cut the power for each iron when not in use. Power-saving design minimizes standby electricity.

#### ● Superior operability

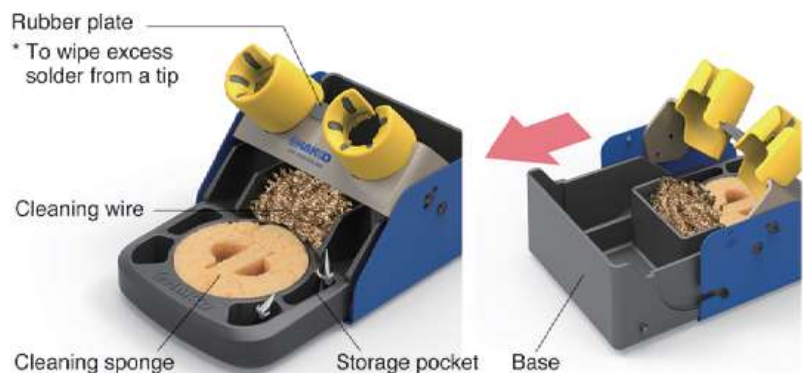
Four buttons were symmetrically placed at the both sides on the front panel. The two buttons on each side allow simple and intuitive operation.

A color band can be attached to the handle, and this makes it possible to see at a glance which side it is connected to. (2 pieces of color band are included as the standard accessories.)



#### ● Rich functions of iron holder

- Convenient pockets to stock soldering tips
- Three different ways for tip cleaning with provided cleaning tools
- Simple and easy cleaning of iron holder inside by removing holder base



**FX-8801** ESPE**Soldering Iron M type**

Tip included

**FX-8802** ESPE**N<sub>2</sub> Soldering Iron**

Tip included

**FX-8803** ESPE**Soldering Gun**

Tip included

**FX-8804** ESPE**SMD Hot Tweezers**

Tip included

**FX-8805** ESPE**Soldering Iron L type**

Tip included

**Specifications**

Model No.	FX-8801
Power consumption	65 W (26 V)
Temperature range	50 to 480°C
Tip to ground resistance	<2 Ω
Tip to ground potential	<2 mV
Heating element	Ceramic heater
Standard tip	Shape-B (No.T18-B)
Cord length	1.2 m
Total length*	217 mm (with B tip)
Weight*	46 g (with B tip)

\* Without cord

Model No.	FX-8802
Power consumption	65 W (26 V)
Temperature range	50 to 480°C
Tip to ground resistance	<2 Ω
Tip to ground potential	<2 mV
Heating element	Ceramic heater
Standard tip	Shape-B (No.T18-B)
Cord length	1.2 m
Total length**	190 mm (with B tip)
Weight**	59 g (with B tip and nozzle assembly A)

\* Use this N<sub>2</sub> soldering iron below 450°C.

\*\* Without cord and tube

Model No.	FX-8803
Power consumption	65 W (26 V)
Temperature range	50 to 480°C
Tip to ground resistance	<2 Ω
Tip to ground potential	<2 mV
Heating element	Ceramic heater
Standard tip	Shape-3C pre-linned surface 45° (No.T18-CF3)
Standard guide nozzle	ø1 mm
Usable solder diameter	0.6, 0.8, 1, 1.2, 1.6 mm
Cord length	1.1 m
Dimensions	170 (W) × 180 (H) × 23 (D) mm
Weight*	207 g

\* Without cord

Model No.	FX-8804
Power consumption	65 W (26 V)
Temperature range	200 to 400°C
Tip to ground resistance	<2 Ω
Tip to ground potential	<2 mV
Heating element	Ceramic heater
Standard tip	Shape-2L (No. A1378) 2 pcs/set
Cord length	1.2 m
Total length**	186 mm
Weight**	93 g

\* The recommended (process) temperature is from 200°C to 400°C while setting temperature range of FX-8804 is from 50°C to 480°C.

\*\* Without cord

Model No.	FX-8805
Power consumption	65 W (26 V)
Temperature range	50 to 480°C
Tip to ground resistance	<2 Ω
Tip to ground potential	<2 mV
Heating element	Ceramic heater
Standard tip	Shape-B (No.T19-B)
Cord length	1.2 m
Total length*	222 mm (with B tip)
Weight*	52 g (with B tip)

\* Without cord

# All-Round Soldering Station and Accessories

## Packing List

FX-8801	Handpiece, Instruction Manual
FX-8802	Handpiece, Shield plate, Instruction manual
FX-8803	Handpiece, Instruction manual
FX-8804	Handpiece, Caution label, Heat resistant pad, Instruction manual
FX-8805	Handpiece, Instruction Manual

NOTE: The soldering iron cannot be used as a standalone device.

## Option

### FX-8803

Part No.	Name	Specifications
C1437	Iron holder (with cleaning sponge)	-

### FX-8804

Part No.	Name	Specifications
FH800-04BY	Iron holder (with cleaning sponge)	Blue & yellow

### FX-8801 & FX-8805

Part No.	Name	Specifications
B5122	Tip enclosure	With nut, required when converting from FX-8801 to FX-8805
B3730	Nut and tip enclosure	Required when converting from FX-8805 to FX-8801

## Replacement Tips for FX-8801 and FX-8803

Unit: mm

<p>Applicable for FX-8803</p> <p><b>T18-B Shape-B</b></p>	<p>Applicable for FX-8803</p> <p><b>T18-SB Shape-SB</b></p>	<p><b>T18-BR02 Shape-0.2BR</b></p>	<p><b>T18-BL Shape-BL</b></p>	<p><b>T18-C05 Shape-0.5C</b></p>
<p>Applicable for FX-8803</p> <p><b>T18-C08 Shape-0.8C</b></p>	<p>Applicable for FX-8803 (Only C1)</p> <p><b>T18-C1 Shape-1C</b> <b>T18-CF1*</b></p>	<p><b>T18-CF15* Shape-1.5C</b></p>	<p>Applicable for FX-8803</p> <p><b>T18-C2 Shape-2C</b> <b>T18-CF2*</b></p>	<p>Applicable for FX-8803</p> <p><b>T18-CSF25* Shape-2.5CS</b></p>
<p>Applicable for FX-8803</p> <p><b>T18-C3 Shape-3C</b> <b>T18-CF3*</b></p>	<p>Applicable for FX-8803</p> <p><b>T18-C4 Shape-4C</b> <b>T18-CF4*</b></p>	<p>Applicable for FX-8803</p> <p><b>T18-C5 Shape-5C</b></p>	<p>Applicable for FX-8803</p> <p><b>T18-K Shape-K</b></p>	<p>Applicable for FX-8803</p> <p><b>T18-D08 Shape-0.8D</b></p>
<p>Applicable for FX-8803</p> <p><b>T18-D12 Shape-1.2D</b></p>	<p>Applicable for FX-8803</p> <p><b>T18-D16 Shape-1.6D</b></p>	<p>Applicable for FX-8803</p> <p><b>T18-D24 Shape-2.4D</b></p>	<p>Applicable for FX-8803</p> <p><b>T18-D32 Shape-3.2D</b></p>	<p><b>T18-DL12 Shape-1.2DL</b></p>
<p><b>T18-DL2 Shape-2DL</b></p>	<p><b>T18-DL32 Shape-3.2DL</b></p>	<p><b>T18-S3 Shape-S3</b></p>	<p>Applicable for FX-8803</p> <p><b>T18-S4 Shape-S4</b></p>	<p><b>T18-S6 Shape-S6</b></p>
<p>Applicable for FX-8803</p> <p><b>T18-S9 Shape-S9</b></p>	<p>Applicable for FX-8803</p> <p><b>T18-I Shape-I</b></p>			


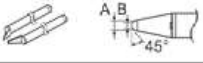


\* These tips are tinned on the soldering surface only.

## Replacement Tips and Nozzles for FX-8802

Please see the replacement tips on P.51.

## Replacement Tips for FX-8804

### For Chip Component

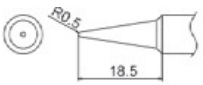


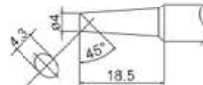

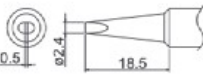

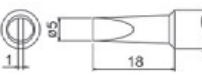
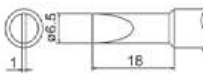
Part No.	Name	Size of A (B)	Tip Shape
A1577	Tip/CHIP 0.5L	0.5 mm	
A1379	Tip/CHIP 1L	1 mm	
A1378	Tip/CHIP 2L	2 mm	
A1388	Tip/CHIP 0.5C	1.5 (0.5) mm	
A1389	Tip/CHIP 0.5I	R0.25 mm	
A1576	Tip/CHIP 2.6C	2.6 mm	

### For SOP Component

Part No.	Name	Size of A	Tip Shape
A1390	Tip/SOP 4L	4 mm	
A1391	Tip/SOP 6L	6 mm	
A1380	Tip/SOP 8L	8 mm	
A1381	Tip/SOP 10L	10 mm	
A1382	Tip/SOP 13L	13 mm	
A1392	Tip/SOP 15L	15 mm	
A1383	Tip/SOP 18L	18 mm	
A1384	Tip/SOP 20L	20 mm	
A1385	Tip/SOP 25L	25 mm	

## Replacement Tips for FX-8805

Unit: mm

<b>T19-B Shape-B</b> 	<b>T19-B2 Shape-2B</b> 	<b>T19-C3 Shape-3C</b> 	<b>T19-C4 Shape-4C</b> 	<b>T19-C65 Shape-6.5C</b> 
<b>T19-D24 Shape-2.4D</b> 	<b>T19-D32 Shape-3.2D</b> 	<b>T19-D5 Shape-5D</b> 	<b>T19-D65 Shape-6.5D</b> 	<b>T19-I Shape-I</b> 