

# HAKKO FR-300

DESOLDERING TOOL



Handy Desoldering Tool

## Four new features that increase workability and efficiency

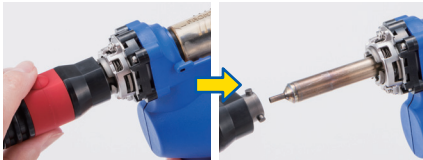
1

**Quick Change Nozzle System provides speed and safety.**



Nozzle changing tool

The new Quick Change Nozzle System allows for a safer and simpler method to quickly remove nozzles for cleaning or replacement, even when the unit is hot.



**Filter pipe**



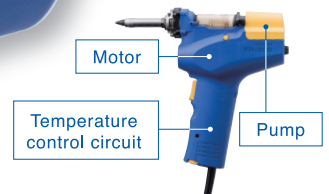
Dispose of solder dross with a simple operation without being affected by heat.

3

**Calculated weight balance**

Motor, pump, and temperature control circuit are optimally positioned within the body to ensure good balance when holding the gun.

**Well-balanced**  
Ergonomic design for operators' comfort



2

**Dial control for easy temperature selection**

The dial integrated into the handle makes it easy to adjust the temperature setting without the use of additional tools.

Setting 1	350°C	Setting 2	400°C
Setting 3	450°C	Setting 4	500°C

LED indicators let you easily see when the heater is active and idling at your temperature setting.



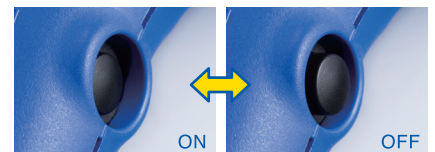
Features LED lamp that indicates heater's activity

**Dial for temperature control**

4

**Integrated power switch**

Locating the power switch on the handle makes it possible to turn the tool on and off with ease and



does away with the hassle of having to remove the plug when you want to turn off the tool.



1-350°C 660°F  
2-400°C 750°F  
3-450°C 840°F  
4-500°C 930°F

OFF  
ON  
POWER  
LED

HAKKO  
FR-300

## Simple iron holder included

Includes simple iron holder that prevents burns and accidents from hot parts.



## FR-300

### Packing List



HAKKO FR-300 Handy Desoldering Tool

**CONTENTS:** Cleaning pin for  $\phi 1.0$  mm nozzles, Cleaning pin for heating core, Ceramic paper filter (large x2), Simple iron holder, Aluminum pre-filter, Nozzle wrench, Instruction manual

### Option



Part No.	Part name
C1100	Iron holder

Part No.	Part name	Nozzle dimensions
B1302	Cleaning drill	For $\phi 0.8$ mm
B1303		For $\phi 1.0$ mm
B1304		For $\phi 1.3$ mm
B1305		For $\phi 1.6$ mm
B1085	Cleaning pin	For heating element
B1086		For $\phi 0.8$ mm nozzle
B1087		For $\phi 1.0$ mm nozzle
B1088		For $\phi 1.3$ mm nozzle
B1089		For $\phi 1.6$ mm nozzle

\* B1087 is included in FR-300.

### Replacement Parts

Part No.	Part name
A5000	Heating element 100-120 V
A5001	Heating element 220-240 V
A1217	Front holder
B5014	Element cover
B5016	Pre-filter (ALUM) set of 5
B5017	Filter pipe
A1033	Ceramic paper filter (L) set of 10

### Replacement Nozzles (Unit: mm)

Part No.	Shape	$\phi A$ (mm)	$\phi B$ (mm)
N50-01		0.8	2.0
N50-02		1.0	2.0
N50-03		0.8	2.5
N50-04		1.0	2.5
N50-05		1.3	3.0
N50-06		1.6	3.0

\*Included nozzle is N50-04.

### Specifications

Model No.	FR-300
Power consumption	100 V 98 W (50/60 Hz), 110 V 122 W (50/60 Hz), 120 V 140 W (50/60 Hz), 220 V 105 W (50/60 Hz), 230 V 118 W (50/60 Hz), 240 V 130 W (50/60 Hz)
Temperature range	350–500°C (660–930°F)
Nozzle to ground resistance	<2 $\Omega$
Nozzle to ground potential	<2 mV
Vacuum generator	Diaphragm pump
Vacuum pressure	81 kPa (610 mmHg)
Suction flow	11 L/min.
Standard nozzle	$\phi 1.0$ mm (Part No. N50-04)
Dimensions	210(W)×226(H)mm / 8.9 x 8.3 in.
Weight (w/o cord)	0.52 kg (1.1 lb.)

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