

# HAKKO FR-300

DESOLDERING TOOL

Handy Desoldering Tool

NEW

## 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**



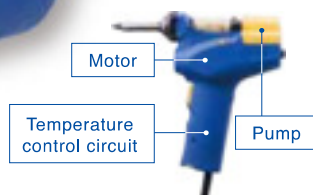
Dispose of solder dross with a simple operation without being affected by heat.

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.**



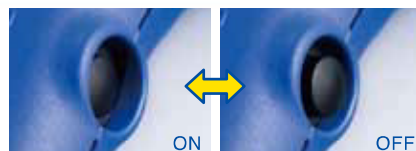
Features LED lamp that indicates heater's activity

**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.



## FR-300

### Simple iron holder included

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



### 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	Part No.	Part name	Nozzle dimensions
C1100	Iron holder	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) $\times$ 226(H)mm / 8.9 x 8.3 in.
Weight (w/o cord)	0.52 kg (1.1 lb.)

CA00442LbYa002 2015.3

**HAKKO**  
HAKKO CORPORATION  
OVERSEAS AFFILIATES

U.S.A.  
AMERICAN HAKKO PRODUCTS, INC.  
28920 AVE. WILLIAMS VALENCIA, CA 91355, U.S.A.  
TEL: (661) 294-0090 FAX: (661) 294-0096  
Toll Free (800) 88-HAKKO  
http://www.HakkoUSA.com

### HEAD OFFICE

4-5, SHIOKUSA 2-CHOME, NANIWA-KU, OSAKA, 556-0024 JAPAN  
TEL:+81-6-6561-3225 FAX:+81-6-6561-8466  
http://www.hakko.com E-mail:sales@hakko.com

HONG KONG  
HAKKO DEVELOPMENT CO., LTD.  
ROOM 1504, EASTERN HARBOUR CENTRE,  
28 HOI CHAK STREET, QUARRY BAY, HONG KONG.  
TEL: 2611-5588 FAX: 2590-0217  
http://www.hakko.com.hk  
E-mail:info@hakko.com.hk

Please access to the following for the other Sales affiliates and distributors.  
<http://www.hakko.com>

Specifications and design are subject to change without notice. Copyright HAKKO Corporation. All right reserved.

**TBK**  
TECHNISCHES BÜRO KULLIK GMBH  
Industriestraße 27  
56276 Großmaischeid  
Tel.: + 49.2689.92770-0  
Fax: +49.2689.92770-10  
Mail: info@kullik.com  
Web: [www.kullik.com](http://www.kullik.com)