

HAKKO FR-301
DESOLDERING TOOL

- 1 Use of high thermal efficiency**
N61 series nozzles
- 2 A wide range of nozzle sizes and shapes**
for secure desoldering
- 3 High-precision temperature control**
by HAKKO's unique sensor feedback function
- 4 Reduction of solder clogging**
by improved heating core
- 5 Safe and easy nozzle change**
with the nozzle wrench

The nozzle lineup includes diameters from 0.6 mm to 1.6 mm and also oval shape nozzles.

SS type
Nozzles for
micro
land-patterns



Oval shape
Nozzles for
flat terminals



Long type
Nozzles for
narrow space





Packing List

Unit, Pre-filter, Ceramic paper filter (L, qty 2), Nozzle wrench, Iron holder (simple type), Cleaning pin for heating core, Cleaning pin for $\Phi 1$ mm nozzle, Instruction manual

Specifications

Model No.	FR-301
Power consumption	100V 98 W (50/60Hz), 110V 122 W (50/60Hz) 120V 140 W (60Hz), 220V 100 W (50/60Hz) 230V 110 W (50/60Hz), 240V 120 W (50/60Hz)
Temperature range	350 to 500°C
Nozzle to ground resistance	<2 Ω
Nozzle to ground potential	<2 mV
Vacuum generator	Diaphragm pump
Vacuum pressure	81 kPa (610 mmHg)
Suction flow	11 L/min.
Standard nozzle	$\Phi 1$ mm (No. N61-08)
Dimensions	215 (W) x 226 (H) mm (with $\Phi 1$ mm (No.N61-08) nozzle)
Weight	0.52 kg (with $\Phi 1$ mm (No.N61-08) nozzle)

* Total length and weight without cord

Option



Iron holder
No.C1100

Nozzle wrench included

Safe and easy nozzle change with the nozzle wrench



Simple iron holder included

Prevents burns and accidents with hot surface



Replacement Nozzles

Unit : mm

SS type	N61-01	N61-02	N61-03	
S type	N61-04	N61-05	N61-06	
Standard type	N61-07	N61-08 (Standard nozzle)	N61-09	N61-10
Long type	N61-11	N61-12	N61-13	N61-14
Oval type	N61-15	N61-16		

* N61 series nozzles can also be used for FR-410 desoldering station.