



American Hakko Products, Inc.


# PRODUCT BULLETIN

**Bulletin No:** PB416  
**Issue Date:** 3/13/2018  
**Effective Date:** 3/20/2018

**Description/Title:**  
NEW HAKKO FR-301 Desoldering Tool

**Part No:**  
FR301-03/P

**Specification:**

Model	FR-301
Part No.	FR301-03/P
Input Voltage	120 VAC 50/60 Hz
Power Consumption	140W
Temperature Range	350°C – 500°C (660°F – 930°F)
Tip to Ground Resistance	< 2 Ohms
Tip to Ground Potential	< 2 mV
Temperature Stability and Accuracy	Meets or Exceeds IPC J-STD-001
Heating Element	Ceramic
Vacuum Source	Single-Cylinder Diaphragm Pump
Vacuum Pressure	81 kPa (610 mm Hg / 24 in. Hg)
Suction Flow	11 L/min
Safety Approval	
Weight (w/o cord) <sup>1</sup>	0.52 kg (1.1 lb.)
Nozzles	N61 Series
Standard Nozzle	N61-08 (φ1.0mm)
Dimensions (LxWxH) (w/o cord)	226x49x215 mm (8.9x1.9x8.5 in.)

<sup>1</sup>With N61-08 nozzle installed



**Contents:**

FR301-03/P	
Part No.	Description
--	FR-301 Desoldering Tool
A5044	Ceramic Filter (1 installed/2 replacement)
B5106	Nozzle Wrench
B5104	Pre Filter
C5003	Iron Holder
B1087	Cleaning Pin (for φ1.0mm(0.04in.) nozzle)
B1085	Cleaning Pin (for heating element)
--	Instruction Manual

**Comments:**

The NEW Hakko FR-301 Portable Desoldering Tool, replaces the discontinued FR-300 desoldering tool.

The FR-301 will feature a more efficient and robust heater for improved temperature recovery time while maintaining the same power consumption as its predecessor, and makes use of Hakko’s N61 Series nozzles.

The FR-301 comes in a convenient molded carrying case with a nozzle wrench, cleaning pin, replacement filters and iron holder.

For more information please visit [www.HakkoUSA.com](http://www.HakkoUSA.com) or call 1-800-88-HAKKO (42556)



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Specifications (continued):

N61 Series Nozzles

<p>N61-01</p> <p>Units: mm(in.)</p>	<p>N61-02</p> <p>Units: mm(in.)</p>	<p>N61-03</p> <p>Units: mm(in.)</p>
<p>N61-04</p> <p>Units: mm(in.)</p>	<p>N61-05</p> <p>Units: mm(in.)</p>	<p>N61-06</p> <p>Units: mm(in.)</p>
<p>N61-07</p> <p>Units: mm(in.)</p>	<p>N61-08</p> <p>Units: mm(in.)</p>	<p>N61-09</p> <p>Units: mm(in.)</p>
<p>N61-10</p> <p>Units: mm(in.)</p>	<p>N61-11</p> <p>Units: mm(in.)</p>	<p>N61-12</p> <p>Units: mm(in.)</p>
<p>N61-13</p> <p>Units: mm(in.)</p>	<p>N61-14</p> <p>Units: mm(in.)</p>	<p>N61-15</p> <p>Units: mm(in.)</p>
<p>N61-16</p> <p>Units: mm(in.)</p>	<p>N61-17</p> <p>Units: mm(in.)</p>	