



FX-805

ULTRA HEAVY-DUTY SOLDERING STATION



The **HAKKO FX-805 Ultra Heavy-Duty Soldering Station** is your solution to soldering large mass components, high current induction coils, heat sinks, large transformers, heavy-duty cables and other difficult to solder applications across a wide range of industries including, medical, automotive, communications and energy.

★ FEATURES & BENEFITS

⚙️ SPECIFICATIONS For Part No. FX805-03

- Lightweight, 460W soldering station with composite ceramic heating element
- 5 user programmable preset temperatures
- New Hakko Control Software allows for easy parameter set up, as well as data logging
- Large, easy-to-read LCD screen
- Auto sleep function that senses when the soldering iron is not in use
- Password lockout feature for process control
- Re-designed iron holder with built-in tip holder and tip exchange features
- Soldering iron (P/N: FX8004-81) uses heavy-duty T37 Series tips (and compatible with T33 Series tips)

STATION	
Voltage	120 VAC, 50 / 60 Hz
Power Consumption	460 W
Temperature Range	120 °F – 940 °F / 50 °C – 500 °C
Temperature Stability	±9 °F / ±5 °C at idle
Outer Dimensions (W x H x D)	5.6 × 4.2 × 8.6 in. / 143 × 107 × 218 mm
Weight (w/o Cord)	8.6 lb / 3.9 kg
Included Handpiece	FX-8004 (P/N: FX8004-81) see page 31

📄 CONTENTS For Part No. FX805-03 (Complete Kit w/ Station, Handpiece & Iron Holder)

Part No.	Description
--	FX-805 soldering station
FX8004-81	FX-8004 soldering handpiece
FH220-82	FH-220 iron holder w/ cleaning sponge & wire (A1561 & A5038)
AF5000	Filter (x1)
B5129	USB cable /1m
B2419	Power cord
--	Instruction manual
--	CD-ROM for PC software

FX805-03

ULTRA HEAVY-DUTY SOLDERING STATION SET

Includes everything shown in picture.



HAKKO CONTROL SOFTWARE





FH-220

HEAVY-DUTY IRON HOLDER

The **HAKKO FH-220 Heavy-Duty Iron Holder** is a sturdy holder with a brass cleaning wire and cleaning sponge, tilt adjustable receptacle, and an easy to use tip removal tool and tip holder for storage for standard and nitrogen tips.

P/N: FH220-82



For more information
Scan QR Code.

FX-8004

ULTRA HEAVY-DUTY SOLDERING IRON



The **HAKKO FX-805 Ultra Heavy-Duty Soldering Handpiece** is lightweight (54 grams) and uses the new HAKKO T37 Series Tips which feature a 390W composite ceramic heater with an improved sensor to measure accurate tip temperature at the soldering point.



For more information
Scan QR Code.



FEATURES & BENEFITS

- Slender and lightweight (54 g) ergonomic handpiece
- Built-in "sleep" inclinometer sensor that detects non-motion
- Uses T37 Series tips
- Compatible with T33 Series tips



SPECIFICATIONS

Tip Series	T37 see page 32 , T33 see page 33 (Tips Sold Separately)
Power Consumption	390 W
Tip-to-Ground Resistance	< 2 Ω
Tip-to-Ground Potential	< 2 mV
Heater	HAKKO Composite Ceramic™
Weight (w/o Cord)	0.12 lb. / 54 g



FG-100B THERMOMETER
P/N: FG100B-03

Using the FG-100B Thermometer you can automatically change the offset value with the wireless IR sending function. see [page 94](#)

The FG-101B Soldering Iron Tester is also available (P/N: FG101B-03) see [page 94](#)



Also Available: FX-8005* Part No. FX8005-81
N₂ COMPATIBLE HEAVY-DUTY SOLDERING IRON

Requires the use of nozzles that are specific to the tip shape being used. Compatible with the FX-780 & FX-781 Nitrogen Generator see [page 34](#)

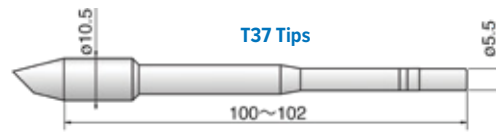
**Tips & Nozzles Sold Separately.*



For more information Scan QR Code.



T37 SERIES TIPS



The **T37 Tips** are designed to work with the FX-8004 Ultra Heavy-Duty Handpiece with a new 390W internal heater. These tips have a sensor system placed closer to the end of the tip to improve response. **Note:** Tips are not backwards compatible with FX-801

T37 SERIES TIPS FOR USE WITH FX-8004

UNIT: mm(inch)

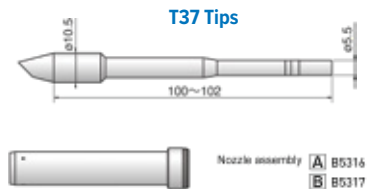
SOLDERING

T37-BC3045 (Bevel)	T37-BC4060 (Bevel)	T37-BC5075 (Bevel)	T37-BC6090 (Bevel)
T37-BC70105 (Bevel)	T37-D24 (Chisel)	T37-D32 (Chisel)	T37-D5 (Chisel)
T37-D6 (Chisel)	T37-D10 (Chisel)	T37-DR1632 (Slotted)	
T37-BCR4 (Grooved)	T37-DR3 (Grooved)		

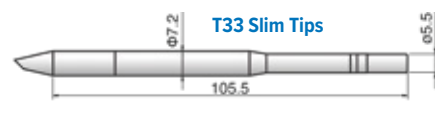
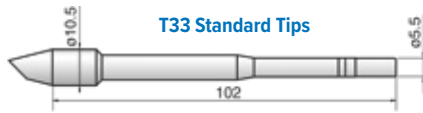
NITROGEN CROSS REFERENCE For T37 TIPS AND N₂ NOZZLES

T37 = 390 W

Compatible Tips	N ₂ Nozzle Assy Part No.	Description
T37-BC4060	B5316	Nozzle Assembly A
T37-BC5075		
T37-BC6090		
T37-BC70105		
T37-BCR4		
T37-D10		
T37-D32		
T37-D5		
T37-D6	B5317	Nozzle Assembly B
T37-BC3045		
T37-D24		
T37-DR1632		
T37-DR3		



T33 SERIES TIPS



The **T33 Standard Tips** are cross compatible to use with the FX-8004 handpiece. These tips feature 260W composite ceramic heating elements. These heating elements have a top controlled temperature of 940 °F / 500 °C and high mass shapes, enabling you to solder some of the most challenging solder joints at only 750 °F / 400 °C and without preheating!

The **T33 Slim Tips** are thinner tips that can be used for narrow spaces but maintains the same amount of heat as the standard tip.

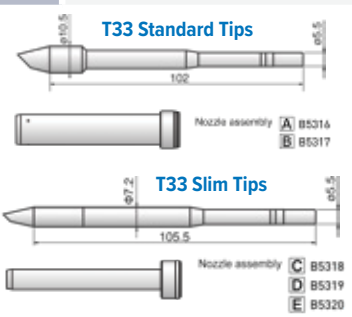
T33 SERIES TIPS FOR USE WITH FX-8004 UNIT: mm(inch)

T33-BC2 (Bevel) Nozzle Assy B N2 B5317	T33-SSBC2 (Bevel) Nozzle Assy C N2 B5318	T33-BC3 (Bevel) Nozzle Assy B N2 B5317	T33-SSBC3 (Bevel) Nozzle Assy C N2 B5318
T33-BC4 (Bevel) Nozzle Assy A N2 B5316	T33-SSBC4 (Bevel) Nozzle Assy D N2 B5319	T33-BC5 (Bevel) Nozzle Assy A N2 B5316	T33-SSBC5 (Bevel) Nozzle Assy D N2 B5319
T33-BC6 (Bevel) Nozzle Assy A N2 B5316	T33-D5 (Chisel) Nozzle Assy A N2 B5316	T33-D6 (Chisel) Nozzle Assy A N2 B5316	T33-SSD6 (Chisel) Nozzle Assy E N2 B5320
T33-SSD16 (Chisel) Nozzle Assy C N2 B5318	T33-D24 (Chisel) Nozzle Assy B N2 B5317	T33-SSD24 (Chisel) Nozzle Assy D N2 B5319	T33-D32 (Chisel) Nozzle Assy A N2 B5316
T33-SSD32 (Chisel) Nozzle Assy E N2 B5320	T33-1610 (V-Groove) Nozzle Assy B N2 B5317	T33-SS1610 (V-Groove) Nozzle Assy C N2 B5318	T33-1611 (Groove) Nozzle Assy B N2 B5317

T33-SS1611 (Groove) Nozzle Assy C N2 B5318
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NITROGEN CROSS REFERENCE For T33 TIPS AND N₂ NOZZLES T33 = 260 W

Compatible Tips	N ₂ Nozzle Assy Part No.	Description	Compatible Tips	N ₂ Nozzle Assy Part No.	Description
T33-BC4	B5316	Nozzle Assembly A	T33-SSBC2	B5318	Nozzle Assembly C
T33-BC5					
T33-BC6					
T33-D32					
T33-D5					
T33-D6	B5317	Nozzle Assembly B	T33-SSBC4	B5319	Nozzle Assembly D
T33-BC2					
T33-BC3					
T33-D24					
T33-1610					
T33-1611	B5320	Nozzle Assembly E	T33-SSD24	B5320	Nozzle Assembly E
T33-SSD32					
T33-SSD6					



SOLDERING