

FX-9707 Heavy-duty soldering iron



FX9707-81

Handpiece (FX-9707), Instruction manual

Conversion kit FX9707-811

Handpiece (FX-9707), Iron holder (FH-220, with cleaning sponge and wire), Instruction manual

■ Specifications

Model No.	FX-9707
Power consumption	200 W (24V)
Temperature range	50 to 500°C
Tip to ground resistance	< 2 Ω
Tip to ground potential	< 2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length (w/o cord)	222 mm (with T53-D24 tip)
Weight (w/o cord)	41 g (with T53-D24 tip)

FX-9708 Heavy-duty N₂ soldering iron



FX9708-81

Handpiece (FX-9708), Instruction manual

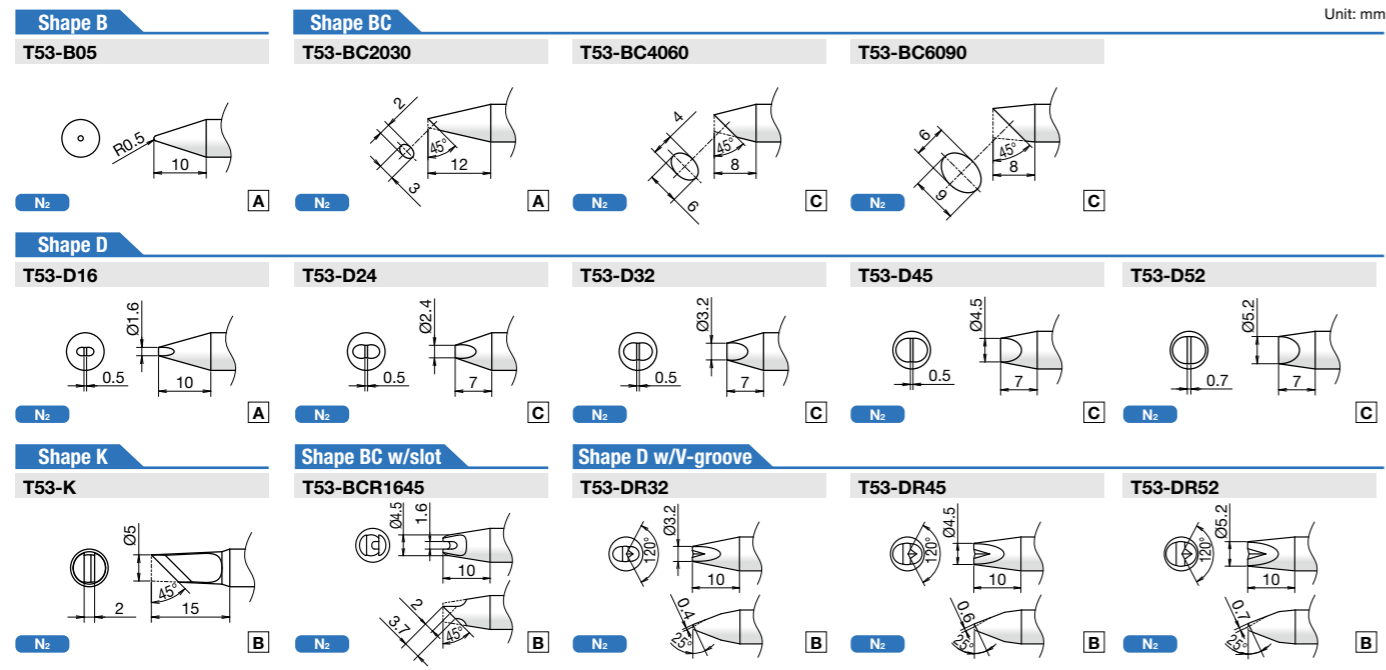
Conversion kit FX9708-811

Handpiece (FX-9708), Iron holder (FH-220, with cleaning sponge and wire), Instruction manual

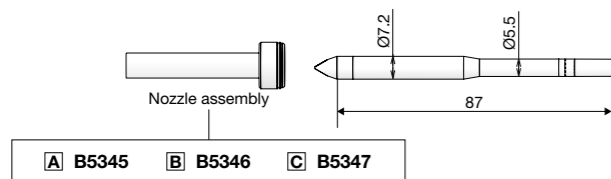
■ Specifications

Model No.	FX-9708
Power consumption	200 W (24V)
Temperature range	50 to 500°C
Tip to ground resistance	< 2 Ω
Tip to ground potential	< 2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length (w/o cord)	231 mm (with T53-D24 tip)
Weight (w/o cord)	47 g (with T53-D24 tip and nozzle assembly C)

T53 series soldering tip



Use an FX-9708 Heavy-duty N₂ soldering iron with a proper nozzle assembly for the tip.



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CA00574EaYa001 2023.02

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Combination table for station, handpiece, iron holder, and soldering tip

Station

Handpiece

Iron holder

Soldering tip



FX-971 100 W 1-port station



FX-971

Station, Handpiece (FX-9701), Iron holder (FH-215, with cleaning sponge and wire), USB cable, Power cord, Instruction manual

The dedicated software is available for download on HAKKO website.

■ Specifications

Model No.	FX-971
Power consumption	100 W
Temperature range	50 to 450°C
Temperature stability	±3°C (At idle temperature)

Station

Output	AC 24 V
Dimensions	When tilted: 93 (W) x 126 (H) x 133 (D) mm When not tilted: 93 (W) x 126 (H) x 123 (D) mm
Weight	1.2 kg

Handpiece

Power consumption	95 W (24V)
Tip to ground resistance	< 2 Ω
Tip to ground potential	< 2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length (w/o cord)	206 mm (with T39-D24 tip)
Weight (w/o cord)	31 g (with T39-D24 tip)

FX-9701 Soldering iron



FX9701-81

Handpiece (FX-9701)

■ Specifications

Model No.	FX-9701
Power consumption	95 W (24V)
Temperature range	50 to 450°C
Tip to ground resistance	< 2 Ω
Tip to ground potential	< 2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length (w/o cord)	206 mm (with T39-D24 tip)
Weight (w/o cord)	31 g (with T39-D24 tip)

FX-972 200 W 2-port station



FX-972

Station, Handpiece (FX-9701), Iron holder (FH-215, with cleaning sponge and wire), Color band [qty 2], USB cable, Power cord, Instruction manual

The dedicated software is available for download on HAKKO website.

■ Specifications

Model No.	FX-972
Power consumption	200 W
Temperature range	50 to 450°C With heavy-duty soldering iron connected: 50 to 500°C
Temperature stability	±3°C (At idle temperature) With heavy-duty soldering iron connected: ±5°C (At idle temperature)

Station

Output	AC 24 V
Dimensions	When tilted: 126 (W) x 151 (H) x 149 (D) mm When not tilted: 126 (W) x 151 (H) x 136 (D) mm
Weight	2.8 kg

Handpiece

Power consumption	95 W (24V)
Tip to ground resistance	< 2 Ω
Tip to ground potential	< 2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length (w/o cord)	206 mm (with T39-D24 tip)
Weight (w/o cord)	31 g (with T39-D24 tip)

FX-9702 N₂ soldering iron



FX9702-81

Handpiece (FX-9702), Instruction manual

■ Specifications

Model No.	FX-9702
Power consumption	95 W (24V)
Temperature range	50 to 450°C
Tip to ground resistance	< 2 Ω
Tip to ground potential	< 2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length (w/o cord)	227 mm (with T39-D24 tip)
Weight (w/o cord)	49 g (with T39-D24 tip and nozzle assembly D)

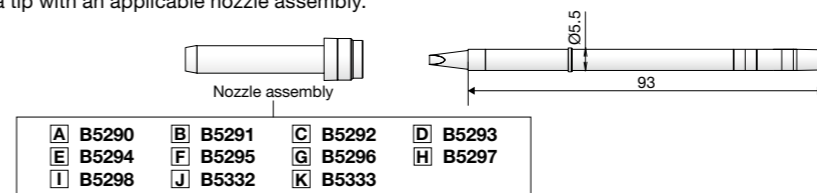
T39 series soldering tip

Shape B				
T39-B02	T39-B05	T39-B07	T39-BL02	T39-BLL02
N ₂ F	N ₂ G	N ₂ C	N ₂ K	N ₂ I
T39-BS02	T39-BS03			
Shape BC				
T39-BC1020	T39-BC1530	T39-BC2040	T39-BC2535	T39-BC3065
N ₂ I			N ₂ H	
T39-BC3545	T39-BCF1020*	T39-BCF2535*	T39-BCF3545*	
N ₂ E	N ₂ I	N ₂ H	N ₂ E	
Shape BCM				
T39-BCM2535	T39-BCM3545			
N ₂ H	N ₂ E			
Shape C				
T39-C1020	T39-C1025	T39-C4055	T39-CF4055*	
N ₂ J	N ₂ J	N ₂ E	N ₂ E	
Shape D				
T39-D08	T39-D12	T39-D16	T39-D24	T39-D32
N ₂ G	N ₂ G	N ₂ G	N ₂ D	N ₂ D
T39-D4	T39-D52	T39-DL32	T39-DL4	T39-DL52
N ₂ B	N ₂ B			
T39-DLS15	T39-DS24	T39-DS32	T39-DS4	T39-DS52
	N ₂ C	N ₂ C	N ₂ C	N ₂ C

*Pre-tinned on cut surface only

Shape I				
T39-I02	T39-IL02	T39-ILS015		
N ₂ J	N ₂ K	N ₂ K		
Shape J				
T39-J02	T39-JL02	T39-JS02	T39-JD08	T39-JD14
N ₂ I				
T39-JD16				
Shape K				
T39-K	T39-KF	T39-KL	T39-KR	T39-KU
N ₂ A	N ₂ A	N ₂ B	N ₂ B	N ₂ F
with slot				
T39-BCR1235	with V-groove			
	T39-BCR12	T39-BCR16	T39-BCR24	T39-BCR32
N ₂ D	N ₂ I	N ₂ I	N ₂ H	N ₂ E
T39-BCR4	T39-BCR52	T39-DR12	T39-DR16	T39-DR24
N ₂ B	N ₂ B	N ₂ G	N ₂ G	N ₂ D
T39-DR32	T39-DR4	T39-DR52		
N ₂ D	N ₂ D	N ₂ B		
Spatula				
T39-SP104	T39-SP157	T39-SP212		

FX-9702 N₂ soldering iron can be used with soldering tips with N₂ mark. Use a tip with an applicable nozzle assembly.



Setup with N₂ system

FX-9703 Micro soldering iron



FX9703-81

Handpiece (FX-9703), Instruction manual

Conversion kit FX9703-811

Handpiece (FX-9703), Iron holder (FH-215, with cleaning sponge and brush), Instruction manual

■ Specifications

Model No.	FX-9703
Power consumption	70 W (24V)
Temperature range	50 to 450°C
Tip to ground resistance	< 2 Ω
Tip to ground potential	< 2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length (w/o cord)	174 mm (with T50-D1 tip)
Weight (w/o cord)	15 g (with T50-D1 tip)

FX-9704 Micro N₂ soldering iron



FX9704-81

Handpiece (FX-9704), Instruction manual

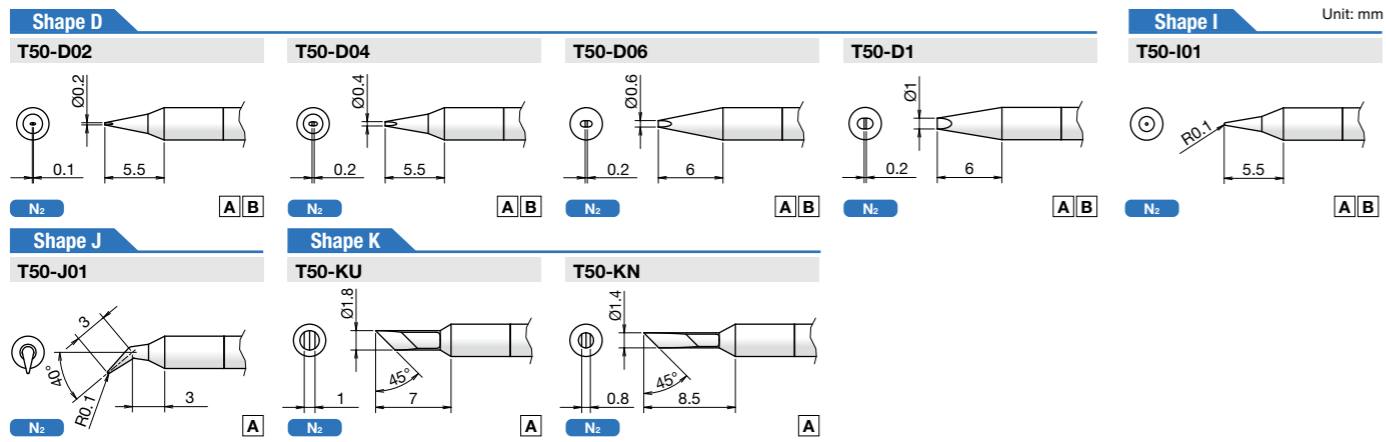
Conversion kit FX9704-811

Handpiece (FX-9704), Iron holder (FH-215, with cleaning sponge and brush), Instruction manual

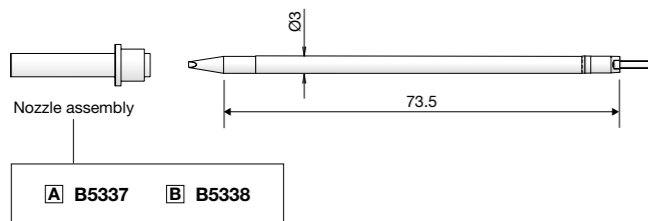
■ Specifications

Model No.	FX-9704
Power consumption	70 W (24V)
Temperature range	50 to 450°C
Tip to ground resistance	< 2 Ω
Tip to ground potential	< 2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length (w/o cord)	196 mm (with T50-D1 tip)
Weight (w/o cord)	35 g (with T50-D1 tip and nozzle assembly A)

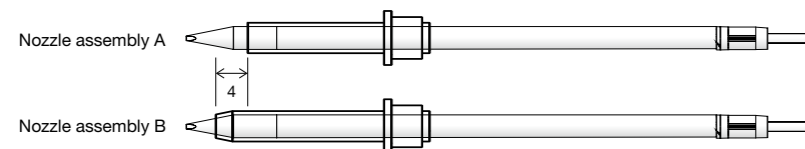
T50 series soldering tip



Use an FX-9704 Micro N₂ soldering iron with a proper nozzle assembly for the tip.



□ Check out the difference between nozzle assemblies A and B with the tip T50-D06.



Set the nozzle assembly A when using the tip horizontally or the nozzle assembly B interferes with surrounding components.

FX-9705 Hot tweezers



FX9705-81

Handpiece (FX-9705), Instruction manual

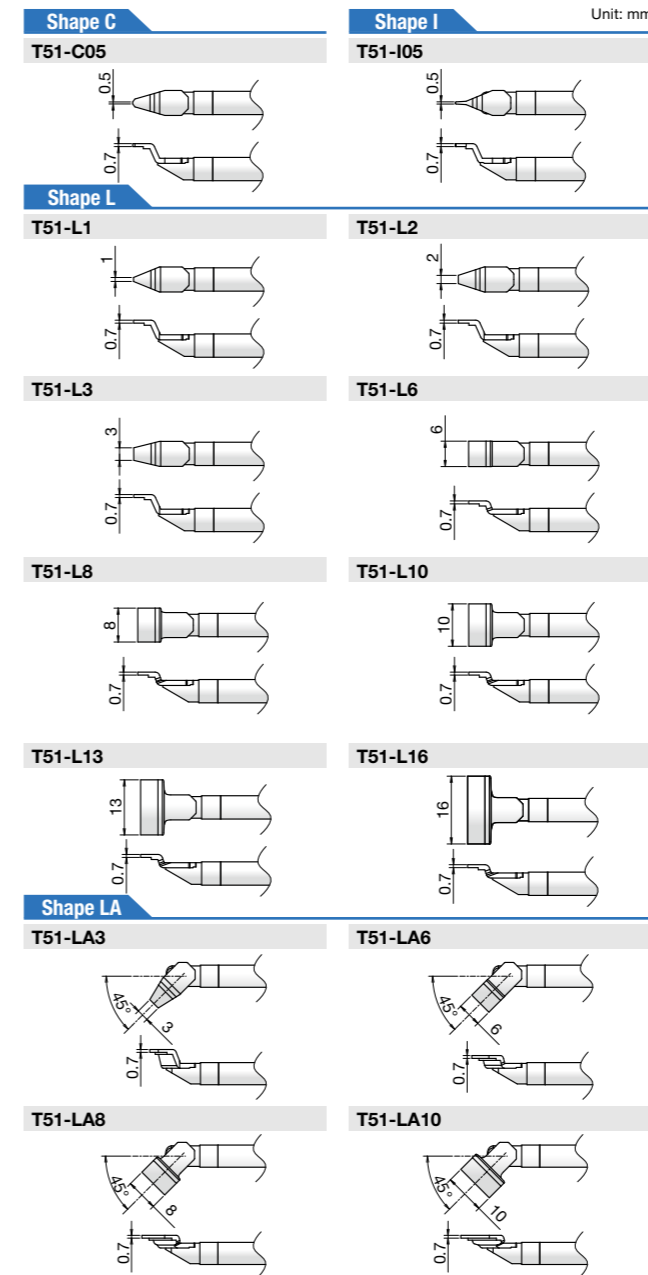
Conversion kit FX9705-811

Handpiece (FX-9705), Iron holder (FH-220, with cleaning sponge and wire), Instruction manual

■ Specifications

Model No.	FX-9705
Power consumption	190 W (24V)
Temperature range	50 to 450°C
Tip to ground resistance	< 2 Ω
Tip to ground potential	< 2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length (w/o cord)	146 mm (with T51-L16 tip)
Weight (w/o cord)	55 g (with T51-L16 tip)

T51 series soldering tip (set of 2)



FX-9706 Micro hot tweezers



FX9706-81

Handpiece (FX-9706), Instruction manual

Conversion kit FX9706-811

Handpiece (FX-9706), Iron holder (FH-215, with cleaning sponge and brush), Instruction manual

■ Specifications

Model No.	FX-9706
Power consumption	140 W (24V)
Temperature range	50 to 450°C
Tip to ground resistance	< 2 Ω
Tip to ground potential	< 2 mV
Heating element	Composite heater
Cord length	1.2 m
Total length (w/o cord)	130 mm (with T52-I015 tip)
Weight (w/o cord)	33 g (with T52-I015 tip)

T52 series soldering tip (set of 2)

