



American Hakko Products, Inc.

PRODUCT BULLETIN

Bulletin No: PB462

Issue Date: 2-8-2023

Effective Date: 3-1-2023

Description/Title:

New HAKKO FX-971 Soldering Station

Part No:

FX971-010, FX971-011, FX9701-81, FX9701-011,
FH215-010, T39-B02, T39-B05, T39-B07, T39-BL02,
T39-BLL02, T39-BC1020, T39-BC1530, T39-BC2040,
T39-BC2535, T39-BC3065, T39-BC3545, T39-BCF1020,
T39-BCF2535, T39-BCF3545, T39-BCM2535,
T39-BCM3545, T39-C1020, T39-C1025, T39-C4055,
T39-CF4055, T39-D08, T39-D12, T39-D16, T39-D24,
T39-D32, T39-D4, T39-D52, T39-DL32, T39-DL4, T39-DL52, T39-DS24, T39-DS32, T39-DS4, T39-DS52, T39-K, T39-KF,
T39-KL, T39-KR, T39-KU, T39-J02, T39-JL02, T39-JS02, T39-JD08, T39-JD14, T39-JD16, T39-I02, T39-IL02, T39-ILS015,
T39-BS02, T39-BS03, T39-SP104, T39-SP157, T39-SP212, T39-DLS15, T39-BCR1235, T39-BCR12, T39-BCR16,
T39-BCR24, T39-BCR32, T39-BCR4, T39-BCR52, T39-DR12, T39-DR16, T39-DR24, T39-DR32, T39-D4, T39-DR52



Comments:

The HAKKO FX-971 Soldering Station is the next generation high-performance soldering station that derives itself from the best parts of the HAKKO FX-951 which is arguably the most reliable and cost-effective soldering station in the electronics industry for the last 15 years. The HAKKO FX-971 uses newly designed T39 Series tips with higher power output and optimized geometries to achieve peak performance of the HAKKO Composite Ceramic™ heater at its heart while maintaining HAKKO's renowned tip life and low operating costs. The newly designed single-piece handpiece uses a built-in sensor to detect when the iron is in use or should be put to sleep, eliminating the need for connecting cords or in-line irons and holders, and incorporates a thinner cord to reduce the weight felt by user. The HAKKO FH-215 Holder eliminates the need to use tools or hot pads when changing tips, incorporates a built-in tip stand, and has a triple-function tip cleaning area that includes a wire cleaner, sponge, and tip wipe. The station itself uses a minimal footprint design that allows multiple units to be stacked to conserve workbench space and includes a new easy to read display that is more than 4 times larger than the FX-951 and displays set temperature and sensor temperature simultaneously. The operation and setup are similar to the FX-951 but the interface is re-designed to be intuitive and includes new features such as IR auto offset when using the FG-100B Tip Thermometer or FG-101B Station Tester, preset mode that allows easy selection of up to 5 user programmable presets, 3-letter passcode lock for process control, and user selectable sleep temperature. The HAKKO FX-971 also includes a USB interface that allows the station to be setup, controlled, and monitored from a PC using the HAKKO Control Software that is included with the station.

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Specifications:

Model	FX-971
Part No.	FX971-010
Input Voltage	120 VAC 50/60 Hz
Power Consumption	100 W
Temperature range	50°C – 450°C (120°F – 850°F)
Temperature Stability	±3°C / ±5°F
ESD Safe	Yes
Safety Approval	

Station

Output Voltage	AC 24 V
Outer Dimensions¹ (W x H x D)	93 x 126 x 133 mm (3.7 x 5.0 x 4.8 in.)
Weight	1.2 kg (2.7 lb.)

Handpiece

Model	FX-9701
Part No.	FX9701-81
Power Consumption	95 W (24 V)
Tip-to-Ground Resistance	<2 Ω
Tip-to-Ground Potential	<2 mV
Heater	HAKKO Composite Ceramic™
Tips²	T39 Series
Cord Length	1.2 m (3.9 ft.)
Total Length (w/o cord)³	206 mm (8.1 in.)
Weight (w/o cord)³	31 g (1.1 oz.)

¹ – When face is in vertical position: 93 x 126 x 123 mm (3.7 x 5.0 x 5.2 in.)

² – Tips not included

³ – As measured with T39-D24 Tip installed

Contents

Part No.	Description
FX971-011	FX-971 Soldering Station
FX9701-81	FX-9701 Soldering Handpiece
FH215-010	FH-215 Holder Includes: • A1561 Tip Cleaner • A5038 Cleaning Sponge
B2419	Power Cord
B5129	USB Cable, 1m
--	Instruction Manual
--	Parameter Setting Guide
--	CD-ROM w/HAKKO Control Software

Specifications (continued):

T39 Series Tips

T39-B02 Unit: mm (in)	T39-B05 Unit: mm (in)	T39-B07 Unit: mm (in)
T39-BC1020 Unit: mm (in)	T39-BC1530 Unit: mm (in)	T39-BC2040 Unit: mm (in)
T39-BC2535 Unit: mm (in)	T39-BC3065 Unit: mm (in)	T39-BCF1020 Unit: mm (in)
T39-BCF2535 Unit: mm (in)	T39-BCF3545 Unit: mm (in)	T39-BCM2535 Unit: mm (in)
T39-BCM3545 Unit: mm (in)	T39-BCR4 Unit: mm (in)	T39-BCR12 Unit: mm (in)
T39-BCR16 Unit: mm (in)	T39-BCR24 Unit: mm (in)	T39-BCR32 Unit: mm (in)
T39-BCR52 Unit: mm (in)	T39-BCR1235 Unit: mm (in)	T39-BL02 Unit: mm (in)
T39-BLL02 Unit: mm (in)	T39-BS02 Unit: mm (in)	T39-BS03 Unit: mm (in)

Specifications (continued):

T39 Series Tips

T39-C1020 Unit: mm (in)	T39-C1025 Unit: mm (in)	T39-C4055 Unit: mm (in)
T39-CF4055 Unit: mm (in)	T39-D4 Unit: mm (in)	T39-D08 Unit: mm (in)
T39-D12 Unit: mm (in)	T39-D16 Unit: mm (in)	T39-D24 Unit: mm (in)
T39-D32 Unit: mm (in)	T39-D52 Unit: mm (in)	T39-DL4 Unit: mm (in)
T39-DL32 Unit: mm (in)	T39-DL52 Unit: mm (in)	T39-DLS15 Unit: mm (in)
T39-DR4 Unit: mm (in)	T39-DR12 Unit: mm (in)	T39-DR16 Unit: mm (in)
T39-DR24 Unit: mm (in)	T39-DR32 Unit: mm (in)	T39-DR52 Unit: mm (in)
T39-DS4 Unit: mm (in)	T39-DS24 Unit: mm (in)	T39-DS32 Unit: mm (in)

Specifications (continued):

T39 Series Tips

T39-DS52 Unit: mm (in)	T39-I02 Unit: mm (in)	T39-IL02 Unit: mm (in)
T39-ILS015 Unit: mm (in)	T39-J02 Unit: mm (in)	T39-JD08 Unit: mm (in)
T39-JD16 Unit: mm (in)	T39-JL02 Unit: mm (in)	T39-JS02 Unit: mm (in)
T39-K Unit: mm (in)	T39-KF Unit: mm (in)	T39-KL Unit: mm (in)
T39-KR Unit: mm (in)	T39-KU Unit: mm (in)	T39-SP104 Unit: mm (in)
T39-SP157 Unit: mm (in)	T39-SP212 Unit: mm (in)	T39-BC3545 Unit: mm (in)
T39-JD14 Unit: mm (in)		

For more information, please visit www.HakkoUSA.com or call 1-800-88-HAKKO (42556)