

Compact Soldering Station 100W - Hakko FX-971

Item no.	HK-FX971-31	Manufacturer	Hakko
Manufacturer no.	FX 971-31	EAN	4962615023279

High-power 100W compact soldering station featuring patented composite tips with improved heat transfer, 40% faster cycle times, infrared calibration capability, and adjustable high-brightness display for optimal visibility and ergonomic operation.

TECHNICAL DATA

Article authenticity	Original product
Condition of article	New
Country of Manufacture	Japan
HS-Code	85151990
Weight	3.5 kg



DESCRIPTION

Overview

The Hakko FX-971 is a next-generation compact soldering station delivering 100W of power in a space-saving design. Building on the proven reliability of the FX-951, this station combines high performance with intuitive operation, making it ideal for professional electronics assembly and rework applications, particularly with lead-free solder.

Key Features

- 100W power output for rapid heating and efficient soldering
- Patented composite tip design with improved sensor sensitivity and stable temperature control
- Approximately 40% reduction in cycle time compared to previous models
- High-visibility display with wide viewing angle and adjustable tilt mechanism
- Infrared communication for automatic calibration using Hakko thermometers (FG-100B/FG-101B)
- PC software connectivity for temperature logging, calibration management, and zero-error record keeping
- Auto-sleep and shutdown automation for energy efficiency

- Intuitive four-button operation for easy configuration
- Compatible with extensive T39-series soldering tip lineup

Technical Specifications

Power Output	100W
Input Voltage	AC 24V
Handpiece	FX 9701-81 (95W)
Compatible Tips	T39-series (T39-BCR1235, T39-JD16, T39-DR16, T39-DS32, and others)
Display	High-brightness LCD with adjustable tilt angle
Communication	Infrared calibration, PC software interface
Country of Origin	Japan

Applications

The FX-971 excels in professional electronics assembly, PCB rework, component soldering, and lead-free soldering applications. Its compact design and high power make it suitable for both benchtop and space-constrained workstations, including under-bench and rack-mounted installations.

Scope of Delivery

- FX 971-311 soldering station with power cable
- FX 9701-81 soldering iron (95W)
- FH 215-81 tool holder
- A 5038 cleaning sponge
- A 1561 metal braid cleaner