

Induction Soldering Station 85W - Hakko FX-100

Item no. HK-FX-100-13

Manufacturer Hakko

EAN 4962615041303

Professional induction soldering station featuring Hakko's patented IH (High-Frequency Induction Heating) technology. Delivers consistent thermal performance for micro-soldering and high-density circuit boards with power assist and boost mode functions.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Japan
HS-Code	85151990
Note	Es gibt keine Lieferung von Hakko Produkten in die Schweiz
Weight	0.0099 kg



DESCRIPTION

OVERVIEW

The Hakko FX-100 is a professional-grade induction soldering station utilizing patented IH (High-Frequency Induction Heating) technology. Unlike conventional resistance-based systems, the FX-100 heats the soldering tip directly, enabling consistent thermal performance across micro-soldering applications and high-density printed circuit boards. The station is engineered for both precision work under magnification and robust soldering on multi-layer boards with large grounded patterns.

KEY FEATURES

- Patented IH (High-Frequency Induction Heating) technology for direct tip heating
- Power Assist Function that detects tip temperature drop and automatically increases output to maintain performance
- BOOST Mode for extra power when handling high thermal capacity substrates
- No calibration required – temperature is fixed by tip selection
- LCD panel with simple button operation for temperature display
- Suitable for both high-density PCBs and fine micro-soldering work
- Micro soldering iron and micro hot tweezers available as optional accessories
- Compliant with European RoHS Directive

TECHNICAL SPECIFICATIONS

esd.equipment

Keldersstr. 15

42697 Solingen, Deutschland

VAT ID: DE269659389

Phone: +49 212 38340680

shop@esd-equipment.com

esd.equipment

Page 1/2

Power Output	85 W
Temperature Range	350°C, 400°C, 450°C (selectable by tip)
Heating Technology	IH (High-Frequency Induction Heating)
Standard Handpiece	FX-1001 (recommended for high-density boards)
Optional Handpiece	FX-1002 (for micro-soldering)
Compatible Tips	T31-01, T31-02, T31-03 series
Country of Origin	Japan

APPLICATIONS

The FX-100 is ideal for electronics manufacturing and repair environments requiring precision soldering on complex assemblies. Its thermal stability makes it particularly effective for soldering on multi-layer boards with large grounded patterns, fine-pitch components, and work requiring magnification. The station supports both production-level throughput and detailed micro-soldering tasks.

SCOPE OF DELIVERY

- FX-100 soldering station main unit
- FX-1001 standard soldering iron handpiece
- Soldering tips (as per selected temperature configuration)
- Iron holder/stand
- Power cord and accessories
- Instruction manual and technical documentation