

Digital Soldering Thermometer with AS5000 Sensor - Hakko FG-100B

Item no. HK-FG-100B-71

Manufacturer Hakko

EAN 4962615055959

Automatic soldering thermometer with long-life AS5000 sensor (30x longer lifespan). Features AUTO HOLD, MAX HOLD, measurement counter, and infrared data transmission to compatible stations. Includes calibration certificate.

TECHNICAL DATA

Ausführungsklasse	TEC
Country of Manufacture	Japan
HS-Code	90259000
Note	Es gibt keine Lieferung von Hakko Produkten in die Schweiz
Weight	0.0099 kg



DESCRIPTION

OVERVIEW

The Hakko FG-100B is an automatic digital soldering thermometer designed to standardize temperature measurement processes and minimize individual measurement variations. Equipped with the premium AS5000 long-life sensor (approximately 30x longer lifespan than conventional sensors), it delivers consistent accuracy across 1,500 measurements per sensor. Ideal for quality control, process validation, and lead-free solder applications.

KEY FEATURES

- AUTO HOLD Function – Measurement ends automatically when tip temperature stabilizes for consistent, repeatable results
- MAX HOLD Function – Continuously displays the maximum measured temperature for quality control documentation
- Long-Life AS5000 Sensor – Maintains measurement accuracy for approximately 1,500 measurements (vs. 50 with conventional sensors)
- Measurement Counter – Automatically tracks number of measurements for sensor replacement scheduling
- Infrared Data Transmission – Sends measurement results wirelessly to compatible soldering stations (FN-1010, FX-805, FX-971, FX-972) and solder pots (FX-305)
- Auto Shutoff – Powers down after 3 minutes of inactivity to conserve battery
- Directional Measurement – Allows measurement from any angle according to tip geometry

- Lead-Free Solder Compatible – Suitable for modern soldering applications
- Calibration Certificate Included – Ensures traceability and compliance with quality standards

TECHNICAL SPECIFICATIONS

Sensor Type	AS5000 (long-life, with certificate of conformance)
Measurement Range	Suitable for soldering tip temperatures
Measurement Functions	AUTO HOLD, MAX HOLD, Measurement Counter
Data Transmission	Infrared (IR) communication
Auto Shutoff	3 minutes of inactivity
Power Source	Battery (included)
Country of Origin	Japan

APPLICATIONS

The FG-100B is essential for soldering process validation, quality assurance, component testing, and printed circuit board (PCB) manufacturing. Its automatic measurement and data transmission capabilities eliminate manual recording errors and standardize temperature verification across production environments.

SCOPE OF DELIVERY

- FG-100B Thermometer unit
- AS5000 long-life sensor
- Battery
- Calibration certificate of conformance