

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

HAKKO

Hakko FG-101

Hakko Calibration Equipment. Resolution: 1°C or 1°F, Accuracy: $\pm 3^{\circ}\text{C}$ (300°C to 600°C), Resolution: 0.1 mV.



MODEL

Hakko FG-101

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

FG-101

LISTING

<https://aumictechlabs.com/products/fg-101-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Hakko FG-101 is a soldering iron tester that measures tip temperature, leak voltage, and tip-to-ground resistance with high accuracy and repeatability. It delivers fast, stable readings across a wide temperature range and includes intelligent measurement functions designed for quality control in electronics assembly, repair, and lead-free soldering operations.

Technical Specifications

Temperature Measurement Range: 0°C to 700°C (32°F to 1300°F) Resolution: 1°C or 1°F Accuracy: $\pm 3^{\circ}\text{C}$ (300°C to 600°C); $\pm 5^{\circ}\text{C}$ (outside this range); $\pm 6^{\circ}\text{F}$ (572°F to 1112°F); $\pm 10^{\circ}\text{F}$ (outside this range) Sensor: K-type thermocouple (AS5000 included); standard sensor (191-212) limited to 500°C (932°F) Voltage Measurement Range: 0 to 40 mV AC Resolution: 0.1 mV Accuracy: $\pm (5\% \text{ of reading} + 1 \text{ digit})$ Resistance Measurement Range: 0 to 40 Ω Resolution: 0.1 Ω Accuracy: $\pm (5\% \text{ of reading} + 1 \text{ digit})$ Physical & Operational Display: 3.5-digit LCD Dimensions: 211 × 53 × 126 mm (8.31 × 2.09 × 4.96 in.) Weight: 0.95 kg (2.09 lb.) Power: 120V/2W to 3.2W Operating environment: 0°C to 40°C; 0 to 90% RH

Key Features

- Auto Hold automatically terminates measurement when tip temperature stabilizes
- Max Hold captures and displays the maximum recorded temperature
- Auto Zero corrects zero-point error for voltage and resistance

measurements Infrared data transmission sends temperature results to compatible Hakko soldering stations and pots Temperature display toggles between Celsius and Fahrenheit Resists drift and ambient temperature variations for consistent long-term performance Typical Applications Soldering iron validation, thermal profiling, lead-free solder process verification, and quality assurance in electronics manufacturing and field service environments. Compatibility & Integration Works with Hakko soldering stations FN-1010, FX-805, FX-971, FX-972, and soldering pot FX-305 (IR receiver required). Unsuitable for ungrounded soldering iron tips. Replacement sensors (191-212, pack of 10) available separately.

Features & description

From manufacturer datasheet

Features

- Dedicated soldering-iron tip thermometer / checker
- Used with Hakko tip sensors/probes
- Process QA instrument for soldering stations

Applications

- Tip temperature verification for soldering irons
- Process control in electronics assembly
- Leakage and tip-condition checks per Hakko FG-101 procedures

FG101 Characteristics / Specifications

PARAMETER	VALUE
Model	FG-101
Manufacturer	Hakko
Instrument Type	Tip Thermometer / Soldering Iron Checker
Alias	FG-101; Hakko FG-101
Brand	Hakko Notes Dense temperature accuracy, sensor, and leakage-limit tables should be confirmed from the Hakko FG-101 instruction manual shipped with the unit or current Hakko literature; public blurbs vary by regional FG-101 vs FG-100 variants.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

performance (including leakage voltage/resistance checks depending on configuration). It is a process-control instrument for soldering quality assurance.

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- Process control in electronics assembly
- Leakage and tip-condition checks per Hakko FG-101 procedures

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.