

# HAKKO FG-101B

SOLDERING TESTER

## For the daily maintenance of soldering station

NEW

Soldering iron tester for measurement of tip temperature, leak voltage, and tip to ground resistance

### ■ Human error-free

Measurement result can be sent to IoT capable soldering station, such as FN-1010, and be recorded automatically. Human errors in manual recording can be eliminated.



### ■ Human error-free

The measurement will end automatically when the displayed tip temperature is stabilized. Individual differences in temperature measurement can be minimized.

### NEW

### Long life sensor (AS5000)

Lasts 30 times longer than a conventional sensor \*Based on our in-house test

## Control of "tip temperature", "leak voltage", and "tip to ground resistance" is required for a grounded soldering station for electronic components.

### Leak voltage

Indication of level of electric current that leaks from tip to PWB or device

### Tip to ground resistance

The resistance between tip and the outlet ground terminal

One-button operation for mode switching on FG-101B makes measurement easy and secure.



### Replacement Part

Name	Part No.
Sensor/lead-free with cert conformance	AS5000

### Option

#### Adapter module

By connecting FG-101B and IoT capable soldering station, such as FN-1010, with adapter module, data transfer can be easy and smooth.

For more details, please visit website.



Part No. C5055



#### Temperature probe

Use of a temperature probe makes it possible to measure the temperature of molten solder in a solder pot and hot air.

For soldering pot



Part No. A1310

For hot air station



Part No. C1541

### Packing List



Unit, Conduction wire, Ground clip, Multi-adapter\*, European adapter\*, Fuse, Power cord, Sensor, Instruction manual

\*May not be included depending on the specifications

### Specifications

Model No.	FG-101B
Power consumption	3.2 W (100V), 3.6 W (100-110V) 3.2 W (120V), 3.6 W (220-240V)
Temperature resolution	1°C
Temperature measurement range	0 to 700°C*
Temperature precision	±3°C (300 to 600°C) ±5°C (other than above)
Temperature sensor	K (CA) type thermocouple
Voltage resolution	0.1 mV
Voltage measurement range	0 to 40 mV (AC)
Voltage precision	± (5% of reading + 1 digit)
Resistance resolution	0.1 Ω
Resistance measurement range	0 to 40 Ω
Resistance precision	± (5% of reading + 1 digit)
Display	LCD : 3 1/2 digits
Operating environment	0 to 40°C, max. 80%RH (without condensation)
Environmental conditions	Applicable rated pollution degree 2 (According to IEC/UL61010-1)
Dimensions	211(W) × 53(H) × 126(D)mm
Weight	0.95 kg

\*The Temperature sensors can only be used to measure temperatures below 500°C  
To measure higher temperatures, use an appropriate temperature probe.

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