For the daily maintenance of soldering station

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.

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<tr>
<th>Replacement Part</th>
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<tbody>
<tr>
<td>Name</td>
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<tr>
<td>Sensor/lead-free with cert conformance</td>
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<th>Option</th>
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**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](image)

**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

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<th>Packing List</th>
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Unit, Conduction wire, Ground clip, Multi-adapter*, European adapter*, Fuse, Power cord, Sensor, Instruction manual

*May not be included depending on the specifications

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<th>Specifications</th>
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Model No.: FG-101B

- Power consumption: 3.2 W (100V), 3.6 W (220-240V)
- Temperature resolution: 1°C
- Temperature measurement range: 0 to 700°C
- Temperature precision: ±3°C (50°C to 700°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: ± (0.5% of reading ± 1 digit)
- Resistance resolution: 0.1 Ω
- Resistance measurement range: 0 to 40Ω
- Resistance precision: ± (0.5% of reading ± 1 digit)
- Display: LCD: 3.1/2 digits
- Operating environment: 0 to 40°C, max. 80% RH (without condensation)
- Environmental conditions: Applicable rain pollution degree 2 (According to IEC61010-1)
- Dimensions: 211(W) x 58(H) x 128(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,

https://www.hakko.com