Automatic measurement to standardize the process

Automatic temperature measurement

can minimize individual differences in measuring temperature.

Fine sensor

can deliver accurate measurements.

Measurement counter

can be useful for control of changing sensor.
Minimize individual differences in how to complete measurement and read result.

1 | AUTO HOLD Function
The measurement will end automatically when tip temperature is stabilized.
The measurement process will be the same no matter who does it.

2 | MAX HOLD Function
Max measured tip temperature will be displayed.
This function can be useful for quality control of components and P.W.B.

* Image photo on the left: AUTO HOLD function and MAX HOLD function cannot be used at the same time.

Temperature Sending Function
Measurement result by AUTO HOLD function or MAX HOLD function can be sent to a soldering station (coming soon) through infrared.
This function can eliminate manual process of recording results, the time for the process, and human error.

3 | Temperature Measurement Count Function
Number of tip temperature measurement will be automatically counted.
This function can be useful for control of changing sensor.

4 | Auto Shutoff Function
The power will automatically be shut off after 3 minutes of no use.
It can save battery power and time for charging battery.

Packing List
Unit, 006P 9 V dry battery (for trial). Sensor (qty 10), Instruction manual
* Pre-calibrated product comes with a calibration certificate. Test result report, and traceability matrix. Sensors also come with calibration certificates.

Specifications
<table>
<thead>
<tr>
<th>Model No.</th>
<th>FG-100B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power supply</td>
<td>006P 9 V dry battery (alkaline cell recommended)</td>
</tr>
<tr>
<td>Temperature resolution</td>
<td>1°C</td>
</tr>
<tr>
<td>Temperature measurement range</td>
<td>0 to 700°C</td>
</tr>
<tr>
<td>Temperature precision</td>
<td>±3°C (300 to 600°C), ±5°C (other than above)</td>
</tr>
<tr>
<td>Temperature sensor*</td>
<td>K (CA) type thermocouple</td>
</tr>
<tr>
<td>Display</td>
<td>LCD: 3 1/2 digits</td>
</tr>
<tr>
<td>Operating environment</td>
<td>0 to 40°C, 20 to 90% RH (without condensation)</td>
</tr>
<tr>
<td>Environmental conditions</td>
<td>Applicable rated pollution degree 2 (according to IEC/UL 61010-1)</td>
</tr>
<tr>
<td>Dimensions**</td>
<td>68 (W) x 140 (H) x 38 (D) mm</td>
</tr>
<tr>
<td>Weight***</td>
<td>126 g</td>
</tr>
</tbody>
</table>

* The temperature sensor (No.191-012 or No.191-011G) can only be used to measure temperatures below 500°C. To measure higher temperatures, use an applicable temperature probe.
** Excluding protrusions
*** Without battery

Option
Several ways of measurement can be possible with temperature probes.
For details, please visit our website.

For soldering pot
No. A1310

For hot air station
No. C1541

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