

FG-100B

Thermometer with Auto-measurement Function



- Automatic temperature measurement can minimize individual differences in measuring temperature.
- Measurement counter can be useful for control of changing sensor.
- Long life sensor AS5000 (with certificate of conformance) is equipped as standard.

Packing List

FG-100B	Unit, 006P 9 V Manganese dry battery (for trial), Sensor, Instruction manual
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Specifications

Model No.	FG-100B
Power supply	006P 9 V dry battery (alkaline cell recommended)
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
Display	LCD: 3 1/2 digits
Operating environment	Ambient temperature/Humidity range: 0 to 40°C, max.80% RH (without condensation)
Environmental conditions	Applicable rated pollution degree 2 (according to IEC/UL 61010-1)
Dimensions**	68 (W) × 140 (H) × 38 (D) mm
Weight***	125 g

* The temperature sensor can only be used to measure temperatures below 500°C. To measure higher temperatures, use an applicable temperature probe.

** Excluding protrusions

*** Without battery

Option / Replacements

Part No.	Name	Specifications
A1310	Temperature probe	For solder bath and pot
C1541	Temperature probe	For hot air station
A1556	Sensor A	-
A1557	Sensor B	-
AS5000	Sensor	lead-free with cert conformance

Long life sensor AS5000 (for FG-100B, FG-101B and FG-102) is equipped as standard.

Lasts 30 times longer than a conventional sensor*. Save troubles of sensor replacements and enhance stable measurement for a long time. Certificate of conformance is included.

* Based on our in-house test



Features

Minimize individual differences in how to complete measurement and read result.

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



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.

3. Temperature Measurement Count Function

Number of tip temperature measurement will be automatically counted.

This function can be useful for control of changing sensor.

Temperature Sending Function

Measurement result by AUTO HOLD function or MAX HOLD function can be sent to a soldering station (FN-1010 : refer to P.18) through infrared.

This function can eliminate manual process of recording results, the time for the process, and human error.