FG-102

Soldering Iron Thermometer with Traceability Management System

for LEAD FREE **RoHS**

- Free of errors in temperature measurement
- Free of transcription errors for measured temperature
- Standardization of temperature measurement
- Secure management of tip temperature records

Packing List

FG-102	Unit, Battery (6 pcs, for trial), Barcode reader, USB cable, Software (CD-ROM), Sensor (10 pcs), Barcode sticker for soldering iron ID (30 pcs), Barcode sticker for operator ID (30 pcs), Instruction manual

Option / Replacements

Part No.	Name	Specifications
A1310	Temperature probe	for soldering bath & pot
C1541	Temperature probe	for hot air station
A1556	Sensor A	–
A1557	Sensor B	–
C5009	Bar code reader	–
191-212	Sensor	lead-free, set of 10

Specifications

Model No.	FG-102
Power supply	AA sized (LR6) battery × 6 (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
Operating environment	0 to 40°C, 20 to 90%RH (without condensation)
Environmental conditions	Applicable rated pollution degree 2 (according to IEC/UL 61010-1)
Dimensions**	193 (W) × 90 (H) × 219 (D) mm
Weight***	0.93 kg

* Temperature sensor (No.191-212 or No.191-212C) can only be used if measure temperatures below 500°C. To measure higher temperatures, use an applicable temperature probe.
** Without barcode reader
*** Without battery and barcode reader
**** Traceability management function can only be used for soldering irons.

Features

An Innovation in Tip Temperature Control

Flow chart of management

1. Scan the unit and the measurer's ID by a barcode reader.
2. Measure the temperature.
3. Press the REC button to save the data on the unit main body.
4. Transfer and save the data on the PC.

Free of errors in temperature measurement by standardization of temperature measurement

The unit has a function to notify the end of measurement. When measurement is finished, "H" icon stops blinking. The unit can find measurement errors and prompt an operator to repeat measurement. The display shows "Fail" if tip loses appropriate contact with sensor before completion of measurement.

Pass/Fail judgment on measured temperature

Pass/Fail judgment on measured temperature can be automatically made if an acceptable temperature range is registered in advance (the display shows "OK" or "Fail".).
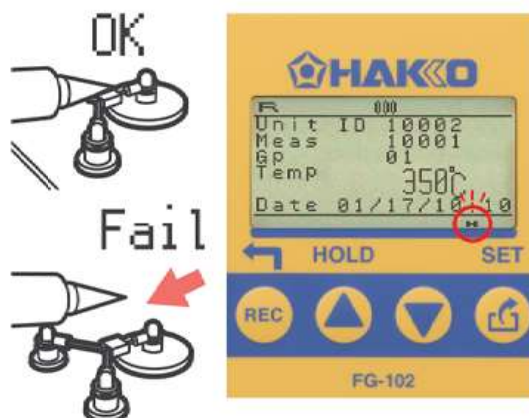
Make it easy to manage tip temperature records by transferring the data to computer

Free of transcription errors for measured temperature

No	InstID	Gr No	MeasID	Temp	Set Temp	Month	day	hour	min	OK/NG
1	10023	0	10005	375	0	10	21	14	47	—
2	10024	0	10005	372	0	10	22	14	48	—
3	10025	0	10005	372	0	10	23	14	49	—
4	10026	0	10005	373	0	10	24	14	50	—
5	10027	0	10005	375	0	10	25	14	51	—
6	10028	0	10005	375	0	10	26	14	52	—
7	10029	0	10005	373	0	10	27	14	53	—
8	10030	0	10005	376	0	10	28	14	54	—
9	10001	1	10005	371	380	10	29	14	55	OK
10	10002	1	10005	371	380	10	30	14	55	OK
11	10003	1	10005	372	380	10	31	14	56	OK
12	10004	1	10005	382	380	10	32	14	57	OK
13	10005	5	10005	382	380	10	33	15	3	NG
14	10006	5	10005	380	380	10	34	15	4	NG

More Features

Group control

Groups can be created based on different set temperatures for different operations. Pass/Fail judgment on measured temperatures can be automatically made for different acceptable temperature ranges.

GROUP **A** 350℃

GROUP **B** 320℃

GROUP **C** 380℃

Automatic counting of the number of measurements

Notification of the calibration date