

HAKKO FG-102 THERMOMETER

An innovation in
tip temperature control

FG-102

■ Packing List



FG-102 Precalibrated* Tip Temperature Thermometer

Main unit (incl. 6 batteries for trial use), barcode reader, USB cable, Software (CD-ROM), 10 sensors, barcode stickers (for soldering iron ID, x30), bar code stickers (for operator ID, x30), instruction manual

* Pre-calibrated product comes with a calibration certificate, test result report, and traceability matrix. Sensors also come with calibration certificates.

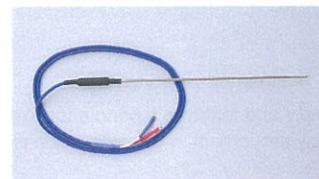
■ Specifications

Power supply	AA battery (LR6 1.5V) (Alkaline batteries are recommended)
Temperature resolution	1°C
Temperature measurement range	0 to 700°C
Temperature precision	±3°C (300-600°C) ±5°C (other than above)
Temperature sensor	K (CA) type thermocouple
Display	LCD display
Operating environment	Ambient temperature/humidity range: 0-40°C, 20-90% RH (without condensation)
Environmental condition	Applicable rated pollution degree 2 (According to IEC/UL 61010-1)
Dimensions	193 (W)×90 (H)×219 (D)mm (w/o bar code reader)
Weight	0.93 kg (w/o batteries, bar code reader)

* Temperature sensor (191-212 and 212C) can only be used to measure temperatures below 500°C (932°F).
To measure higher temperatures, use an applicable temperature probe.

■ Options

* Traceability management function can only be used for soldering irons.



Temperature probe for
soldering bath and pot
Part No. A1310



Temperature probe for
hot air
Part No. C1541

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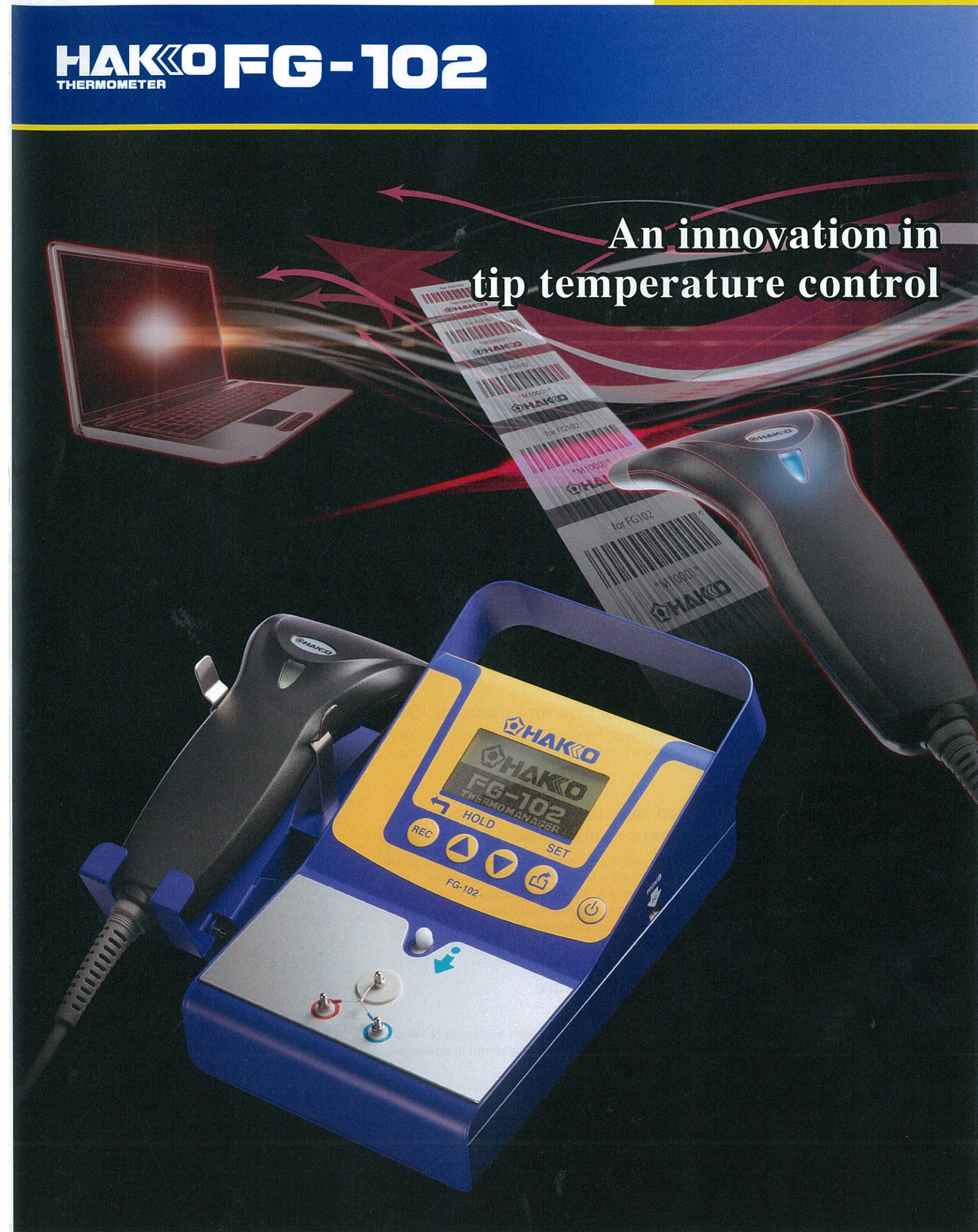
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Measure, log, and store tip temperature to improve manufacturing quality by saving time and cost in the temperature control process

- ✔ Zero measurement errors
- ✔ Standardized temperature measurement
- ✔ Zero recording errors when logging measured temperatures
- ✔ Reliable history control of tip temperature

On production worksites where a high degree of quality is required, more and more manufacturers are employing soldering irons with digital temperature display functions. Meanwhile, the importance of soldering iron temperature control is increasing. Aimed at reducing human error, HAKKO's tip temperature thermometer with traceability control function (such as errors made when measuring and logging temperature) provides reliable, simple, and appropriate support for the tip temperature control process.



*PC and screen display images provided for informational purposes only

HAKKO FG-102
THERMOMETER

Notifies an operator via light and sound when barcode is scanned.



Aim for zero logging errors and achieve labor saving by scanning soldering iron and operator IDs

By eliminating the need to log measurement temperature manually and computer input work, helping achieve labor savings in tip temperature control.

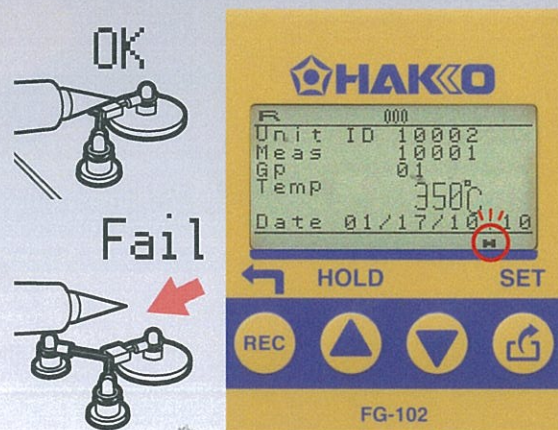


Intuitive operation and display for simple, reliable measurement



Standardized temperature measurement Supporting zero measurement errors

Includes function that notifies an operator when to stop temperature measurement. Measurement is finished when "H" mark stops blinking and remains steadily lit. Automatically detects measurement errors and prompts an operator to perform measurement again. The screen displays "Fail" if the tip moves away from the sensor before measurement has finished.



Measurement temperature pass/failure judgment

Measured temperature is automatically judged as passed or failed if an allowable set-temperature range is registered in advance. (The screen displays "OK" or "Fail.")



Transfer logged data to PC for easy history management

Main unit can save up to 300 measurements and send data to PC via USB. (Data logged in CSV format. USB cord included.)



Power saving design

If not in operation for a certain time, the unit automatically enters power save mode. Storing the scanner in the holder cuts standby power to reduce battery consumption.



Mobility

Requires no power supply and features a handle for excellent portability. Compact design for easy movement in the production worksite.



Group management

Groups can be created based on different operating temperatures according to suit the nature of the job. An automatic pass or fail judgement can be made even when different set temperatures are used.



Automatic counting of temperature measurement

Unit automatically counts the number of measurements made to indicate the timing of sensor replacement.



Calibration date notification

Unit automatically notifies the next scheduled calibration date when it is registered.