FG-102

Specifications

Power supply: 2x AAA battery (Ni-MH, Ni-Cd, or alkaline batteries are recommended)
Temperature resolution: 1°C
Temperature range: -50°C to +950°C
Temperature precision: ±3°C (0°C to 950°C)
±5°C (other than above)
Temperature sensor: K type thermocouple
Display: LCD display
Operating environment: 85% RH (without condensation)
Environment resistance: Applicable to the environment degree 2 (IEC 60529-1)
Dimensions: 203 (W) x 47 (H) x 21 (D) mm (without label reader)
Weight: 250g (tip without batteries, base, and cable reader)

* Temperature sensor (Part No. 10-9042) can only be used to measure temperatures below 550°C.
To measure higher temperatures, use an applicable temperature probe.

Options

- Temperature probe for soldering bath and pot
  Part No. A1250

- Temperature probe for hot air
  Part No. C1541

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

Unit: Battery (2 x AAA), Barcode reader, USB cable, Software (CO-ROM), Sensor (1 x 10), Barcode sticker for soldering iron ID (30), Barcode sticker for operator ID (30), Instruction manual.

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A new proposal for improvement and labor-saving in tip temperature control, from measurement to records management, for enhancement of manufacturing quality.

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

The importance of tip temperature control is growing as more and more digital control welding stations are introduced in recent manufacturing sites where highly advanced quality control systems are required. HAKKO’s tip temperature thermometer with traceability management system aims to eliminate human errors (e.g., errors in measurement and transcription) and supports your process of tip temperature control in an easy, reliable, and appropriate way.

Aim for free of errors in recording and for labor-saving by scanning unit ID and operator ID

Support to achieve labor-saving in tip temperature control by elimination of a manual process of posting measured temperature and inputting records into computer.

Support to achieve 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

The unit can save up to 300 measurement records and transfer the data to computer via USB. ([Data in CSV format, USB cable included.]

Power saving design

The unit will automatically enter power save mode if not in operation for a certain time. Power supply to the scanner can be shut off when it is stored in the holder and battery consumption can be reduced.

Portability

Excellent portability with a handle and no need for power supply cord. Compact design makes it easy to carry a unit around in workplace.

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.

Automatic counting of the number of measurements

The unit automatically counts the number of measurements which indicates the timing of sensor replacement.

Notification of the calibration date

The unit automatically notifies the next scheduled calibration date if it is registered.