

# Model HS series

## Soldering Iron Thermometer

Model HS series thermometers designed for exclusive use with the CR series soldering iron tip temperature probes. The HS-30K measures temperatures only, while the HS-50K can measure temperature, resistance between soldering iron tip and ground, and leakage voltage.

### HS模式系列

HS模式系列是烙铁头专用温度计,可直接搭配CR模式系列烙铁头温度探头测量烙铁头温度。

HS-30K能测量烙铁头温度,HS-50K能测量烙铁头温度,烙铁头与地线之间的电阻与漏电压。

HSシリーズは、コテ先用温度センサ CRシリーズ専用の温度計測器です。

HS-30Kは温度、HS-50Kは温度・コテ先アース間抵抗・リーク電圧の計測ができます。



**HS-30K**

Temperature probe sold separately.



**HS-50K**

Temperature probe sold separately.

※ Leakage voltage and the resistance between soldering iron tip and ground can be measured only when using a three-wire soldering iron with temperature control capability.



※ 烙铁头与地线之间的电阻与漏电压,仅可以测定带有三线式温度调节功能的烙铁。

※ コテ先アース間抵抗とリーク電圧は、三線式の温度調節機能付きはんだコテのみ測定可能です。

## Specifications

Model	HS-30K	HS-50K
Display	LCD	LED
Input type	Temperature (Thermocouple : Type K)	Temperature (Thermocouple : Type K) Resistance (between the iron ahead ground) leak electric voltage
Measurement range	0~500°C	Temperature : 0~500°C Resistance (between the iron ahead ground) : 0.0~99.9 Ω leak electric voltage : 0.0~99.9mV (RMS)
Resolution	1°C	Temperature : 1°C Resistance (between the iron ahead ground) : 0.1 Ω leak electric voltage : 0.1mV
Measurement accuracy	± (0.3% of reading + 1) °C	Temperature : ± (0.1% of reading + 1) °C Resistance (between the iron ahead ground) : ± (4% of reading + 0.3) Ω leak electric voltage : ± (3% of reading + 0.3) mV
Reference junction compensation accuracy	±0.5°C (at 23°C ±10°C)	±0.2°C (at 25°C ±10°C)
Temperature coefficient	± (0.03% /°C) of measurement range except 23°C ±10°C	± (0.01% /°C) of measurement range except 25°C ±10°C
Environmental limit	Operation	10~40°C, 0~85%RH (Without dew)
	Storage	0~50°C, 0~85%RH (Without dew)
Linearizer	Analog linearizer method (Compliant with IEC 60584-1 (2013) )	Digital linearizer method (Compliant with IEC 60584-1 (2013) )
Power supply	4" AA" (LR6) Alkali Batteries	AC 100V~240V
Battery Life	approx. 180 h	—
Dimensions	152 (W) × 45 (H) × 80 (D) mm	180 (W) × 55 (H) × 150 (D) mm
Weight	approx. 460 g	approx. 950 g
Accessories	Manual, 4 Batteries, Test report	Manual, Spare fuse, Power supply cord, Ground cord, Test report

## ● Exclusive probes

	CR-31K	CR-32K
Model	 2 pieces set	 2 pieces set
Thermocouple type	Type K	
Max. temp.	500°C	
Tolerance	±4°C (at 300°C)	
Diameter of the supporting iron future	Less than φ1.5mm	φ1.5mm~φ4mm

