

# 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系列

HS系列是烙铁头专用温度计，可直接搭配CR系列烙铁头温度传感器测量烙铁头温度。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和漏电压。



**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，仅可以测量带有三线式温度调节功能的烙铁。

## Specifications 规格

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) : 0.0~99.9Ω leak electric voltage : 0.0~99.9mV (RMS)
Resolution		1°C	Temperature : 1°C Resistance (between the iron ahead ground) : 0.1Ω 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 + 10.3) 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)	0~40°C, 0~85%RH (Without dew)
	Storage	0~50°C, 0~85%RH (Without dew)	-20~40°C, 0~85%RH (Without dew)
Linearizer		Analog linearizer method (Compliant with JIS C 1602-2015)	Digital linearizer method (Compliant with JIS C 1602-2015)
Power supply		4* AA* (LR6) Alkali Batteries	AC 100V~240V (85~264V)
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
Supplied accessories		Manual, 4 Batteries, Test report	Manual, Spare fuse, Power supply cord, Ground cord, Test report

## ● Exclusive probes

Model	CR-31K	CR-32K
	 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

