

極

Kiwami

Powerful, Compact

Accurate thermal response

※Full size

- Power : 90W
- Length : 206mm
- Weight : 25g
- Cord : 1200mm
- Leak voltage : Less than 2.0mV
- Earth line resistance : Less than 2.0Ω



The ULTIMATE Compact yet powerful soldering iron

Excellent in multiple use, the most advanced model in their class.

「極」"KIWAMI" Soldering Iron Unit (LS-90)



Why is KIWAMI so "ULTIMATE"?

POINT 1 Powerful

The newly developed tiny 90W heater element.

POINT 2 Comfortable

The lightest handpiece in the 90W station class (25g).
Thin, very pliable cord.

POINT 3 Multiple

The powerful output heater enables wide variety of soldering.

●Fast heat recovery time

The built-in thermocouple located on the surface of the soldering tip (LA-method) enables an instantaneous recovery during the operation.
(※LA:Load Application temperature control method.)

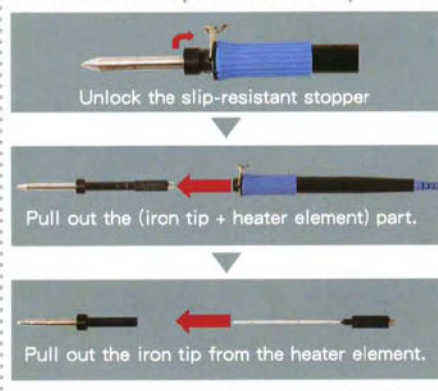
●Safety features

The iron tip slip-resistant stopper for stable soldering.
ESD safe design.

●Eco-friendly replaceable tips

The Iron tips and heater elements can be replaced separately for economical use.

How to replace iron tips



■Specifications (LS-90)

Model No.	LS-90
Voltage/Wattage	24V / 90W
Iron tip type	BK5 series
Standard iron tip	BK5-2C
Length	206mm
Weight	25g
Power cord length	1,200mm
Leak voltage	Less than 2.0mV (initial value)
Ground resistance	Less than 2.0Ω (initial value)

「極」"KIWAMI"controller (MR1/MR/2)

●Tips last longer & Energy saving

The rapid capacity of recovery & LA method enable lower temperature soldering. It makes tips last much longer while saving energy.

●Keypad lock function

Tamper-proof keypad lock function is convenient for production management.

●"One Touch" PID temperature control

Just press the button to set PID control parameters for optimum performance.

●Auto power down / power off function

When the soldering iron is not used for a certain length of time, it reduces the temperature to 150°C, and it prevents tip oxidization. After certain length of inactivity, the auto-off function works.



■Specifications (MR1/MR2)

Model No.	MR1	MR2
Input voltage	AC100V	AC220V
Power cord	3PCHI	3EPV
Temperature range	0~450°C	
Dimension	W76 x D128 x H121	
Weight	2.2kg	
Temp. control method	PID control	
Power consumption	Less than 20VA	
Compatible Iron unit	LS-90	

Disclose the REAL soldering temperature!!

LA (Load Application) temperature control method.

Temperature control	Potential Problems	LA-method solution
During work	The conventional soldering irons are hard to be detected the actual soldering temperature during the operation.	●The tip's surface sensor provides the exact temperature fluctuations.
Defects prevention	Temperature may drop significantly during heavy load continuous operation.	●Visually and acoustically alarmed if the tip temp. goes outside of the specific process window.
Optimum conditions	The best soldering temperature is vary depends on the object such as multi-layer BCP, earth grounding or wire joint.	●Easy to define the most effective soldering condition.

What is LA-method??

The built-in sensor located on the surface of the tip detects the real soldering temperature.

■The conventional method

Setting temperature only

Sensor located inside the iron tip, near the heating element

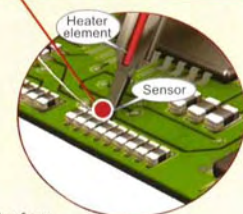
※ Controller face

Visible safety

■LA-method (BONKOTE)

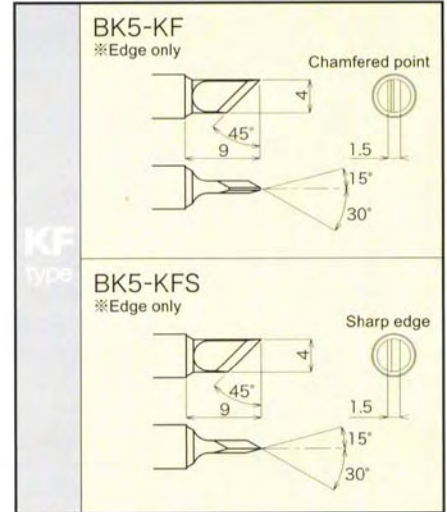
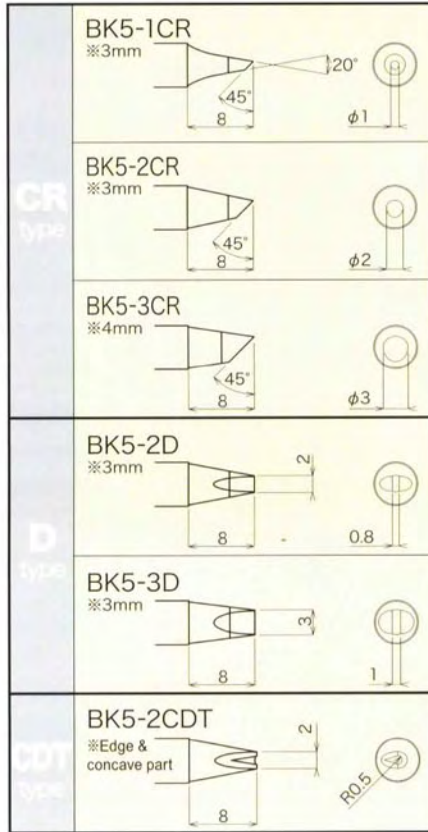
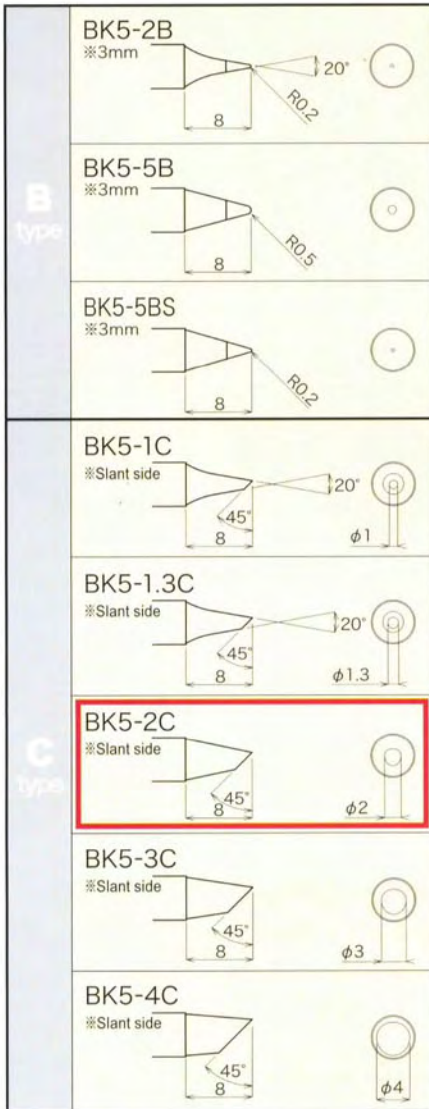
The real time temp. is being displayed during the operation

Sensor located on the surface of the iron tip



BK5 series (Replacement tips)

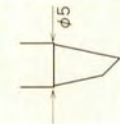
For Pb Free



※Wettable part

Description of BK series

- BK5-2C**
- BK... Series name of the iron tip
- 5... The diameter of the tip
- C... The shape of the tip



BK5 series

Description of model No.

Set	Controller	Iron unit	Iron tip	Iron stand
Model No.	MR1/MR2	LS-90	BK5	BON-12
Set No.	MR1-LS-90-BK5-2C (100V) MR2-LS-90-BK5-2C (220V)			Iron stand included

Ordering Information

Please specify your choice of tip type (ex. MR1-LS-90-BK5-2C)
The standard tip type is **BK5-2C**

■ JAPAN BONKOTE CO., LTD.



MVENT PHILIPPINES, INC.
(Market Venture Philippines, Inc.)

523 S. Trinidad St., SAV-6, Parañaque City, 1707 Philippines
phone +63 (2) 829-7803 / 829-6263 • fax +63 (2) 825-4344
email info@mvent.com.ph • web <http://www.mvent.com.ph>