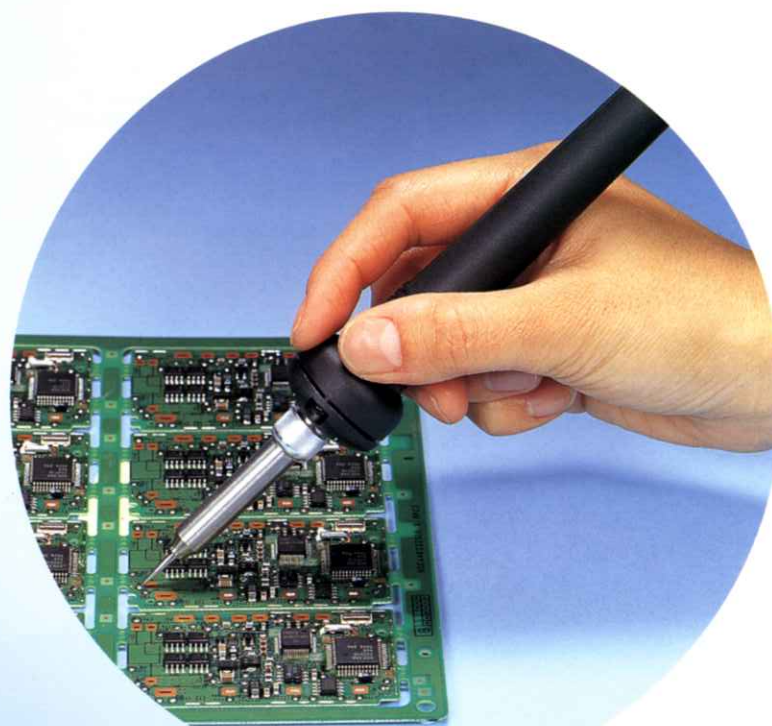




Inquiry No.C00166
Lead-free Soldering station

Lead-free Soldering station



**UNICON-107
UNICON-107F
UNICON-108
UNICON-109**

**UNICON-107
UNICON-107F
UNICON-108
UNICON-109**

- Descriptions in this catalog are valid as of January, 2006. The specifications and exterior described in this catalog are subject to change without notice due to improvements.
- Safety note : Be absolutely sure to familiarize yourself with the Operating Instructions to ensure that this product will be used safely.



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JAPAN UNIX

Lead-free Soldering station

UNICON-107

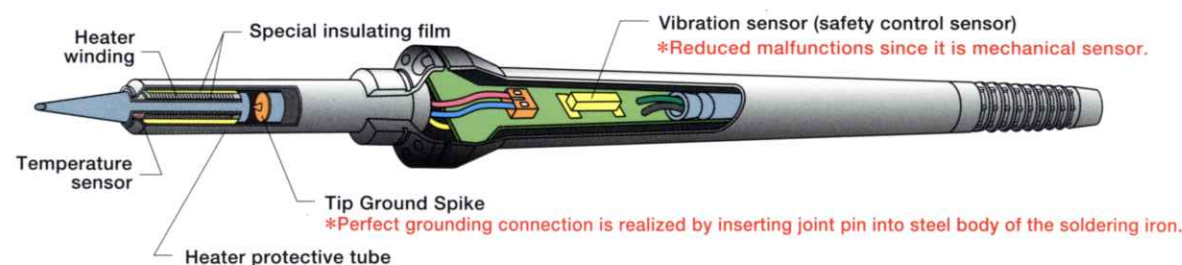
50W/70W/90W
Patented

ESD SAFE

Soldering station using digital temperature control with built-in safety control sensor



Hand piece structure



Standard Constitution: Hand Piece (50W, 70W or 90W), Station unit, Hand Piece Stand, Cleaning Sponge, Iron Tip (1 piece)

SPECIFICATIONS

Station unit		Hand piece	
Model	U107-ST	Model	U107S-HD (S) / U107M-HD (M) / U107L-HD (L)
Input power *	AC230V ±10% 50/60Hz	Heater power	50W (S) / 70W (M) / 90W (L)
Power consumption	Max. 80W	Tip-to-Ground Resistance	Less than 2Ω
Output voltage	AC24V	Tip-to-Ground Potential	Less than 2mV
Outline dimensions	95 (W) × 85 (H) × 170 (D)	Cord	1.2m
Weight	2.5kg	Full length	215mm (S) / 225mm (M) / 255mm (L)
Temperature accuracy	Unloaded Ripple amplitude ±3°C	Weight *	50g (S) / 70g (M) / 100g (L)
		Sensor	K type (CA Sensor)

*AC100V, AC115V types are also available.

*Weight of soldering iron for nitrogen gas model is 70g for 50W (S) or 90g for 70W (M). Nitrogen gas hand piece for 90W is not available.

Soldering station, combining five reassurances into single unit UNICON-107Series

Powerful features for lead-free and multilayer boards

Heater and iron tip with outstanding thermal recovery characteristics are ideal for lead-free soldering and soldering through-holes of multilayer boards.

All possible measures for safety

With automatic power OFF function, it is surely safe even if an operator fails to turn the power off. Also, the power is automatically turned off upon troubles such as board failure or heater short.

Saving energy

Sleep feature saves energy by lowering temperature when the soldering iron is not being used. Also, consumption of iron tip is suppressed by keeping temperature lower.

Black High Tip



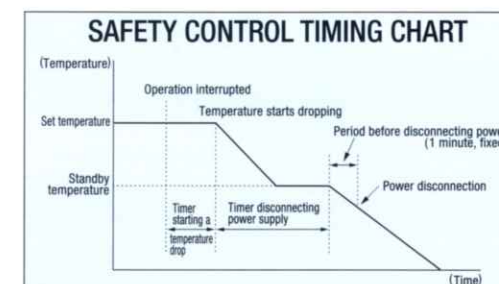
Longer life iron tip

Password lock

The setting can be protected from operator's unauthorized temperature change using password protection.

Ready buzzer

If you attempt to use the soldering iron before reaching the set temperature, it is warned by the buzzer. Also, it is notified by the buzzer that the temperature reaches the setting value.



Expanding variations

Smoother lead-free soldering with nitrogen gas.

Wettability and break-off characteristics of solder are improved by soldering with nitrogen gas injected onto the tip of the iron.

UNICON-107F

50W/70W

Model with nitrogen gas flowmeter


ESD SAFE


Outline dimensions: 135 (W) × 85 (H) × 170 (D)
Weight: 3kg

※Basic specification is identical to UNICON-107.

UNX-100S

Nitrogen Gas Generator



Nitrogen gas is injected from the tip of the iron.



Outline dimensions: 80 (W) × 83.5 (H) × 300 (D)
Weight: 1.9kg
Nitrogen Gas Concentration: Max. 99.9%
Nitrogen Gas Flow: 0.5L/min.

※High capacity type is also separately available.



▶ ESD SAFE: Sufficient antistatic measures have been taken for precision electronic parts.

Large capacity heater soldering irons

UNICON-108 100W/150W/300W



ESD SAFE

It brings out marvelous power with industry's most powerful heater for workpieces with higher thermal capacity.



SPECIFICATIONS

Station unit

Model	U108-ST
Input power *	AC230V±10% 50/60Hz
Power consumption	Max. 300W
Output voltage	AC100V
Outline dimensions	100 (W) × 90 (H) × 125 (D)
Weight	1kg
Temperature accuracy	±10°C from setting value
*AC100V, AC115V types are also available.	

Hand piece

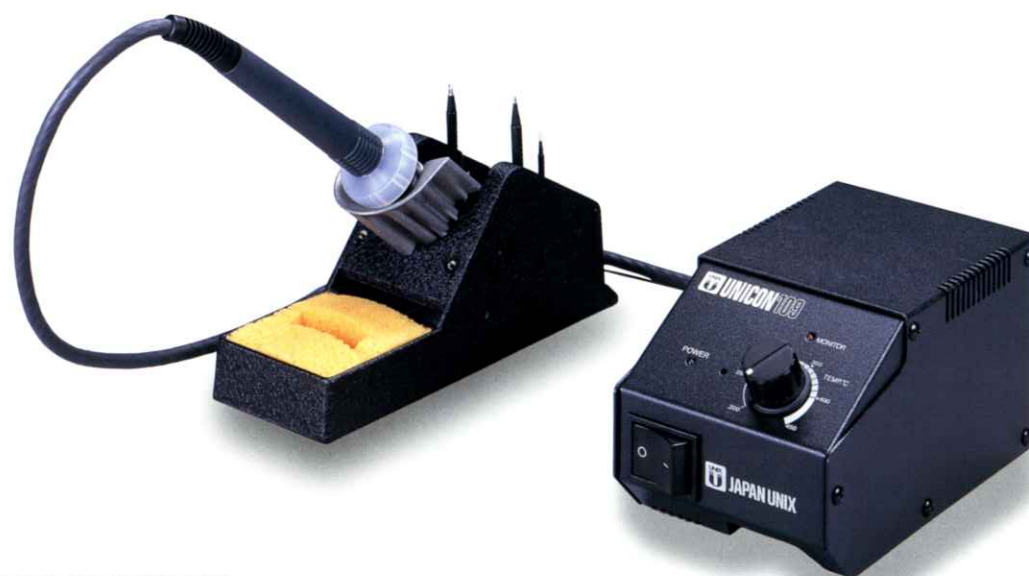
Model	U108L-HD(L) / U108LL-HD(LL) / U108XL-HD(XL)
Heater power	100W (L) / 150W (LL) / 300W (XL)
Tip-to-Ground Resistance	Less than 2Ω
Tip-to-Ground Potential	Less than 2mV
Cord	1.5m
Full length	255mm (L) / 265mm (LL) / 310mm (XL)
Weight *	100g (L) / 140g (LL) / 250g (XL)
Sensor	K type (CA Sensor)
*Measures for antistatic are only for L type and LL type.	

ANALOG STATION TYPE SOLDERING IRON

UNICON-109 50W/70W



ESD SAFE



SPECIFICATIONS

Station unit

Model	U109-ST
Input power *	AC230V±10% 50/60Hz
Power consumption	Max. 80W
Output voltage	AC24V
Outline dimensions	95 (W) × 85 (H) × 170 (D)
Weight	2.5kg
*AC100V, AC115V types are also available.	

Hand piece

Model	U109S-HD (S) / U109M-HD (M)
Heater power	50W (S) / 70W (M)
Tip-to-Ground Resistance	2Ω以下
Cord	1.2m
Full length	215mm (S) / 225mm (M)
Weight *	50g (S) / 70g (M)

IRON TIP OUTLINE DRAWING

