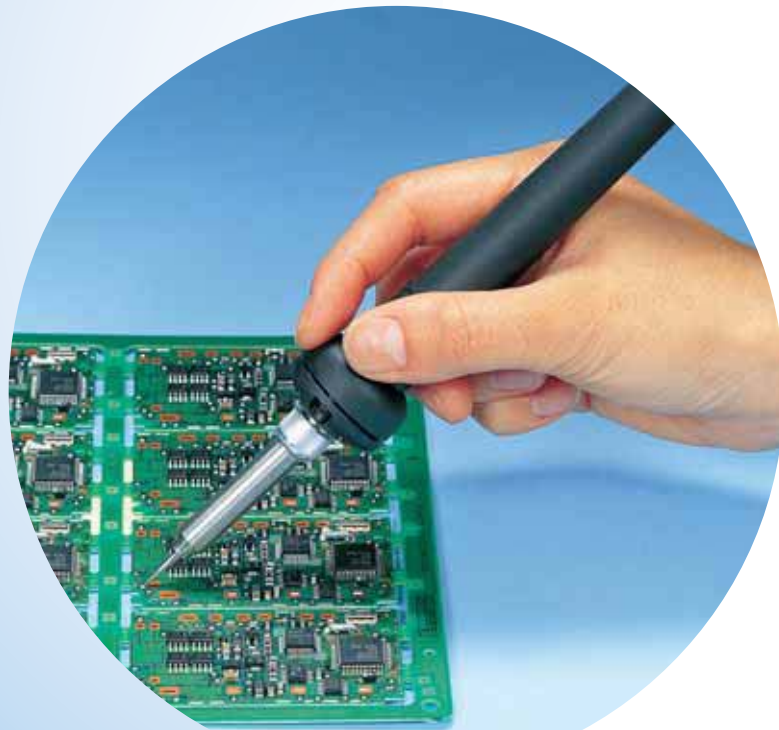




Lead-free Soldering station



UNICON-107
UNICON-107F
UNICON-108II

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UNICON-108II

- Descriptions in this catalog are valid as of August, 2011. 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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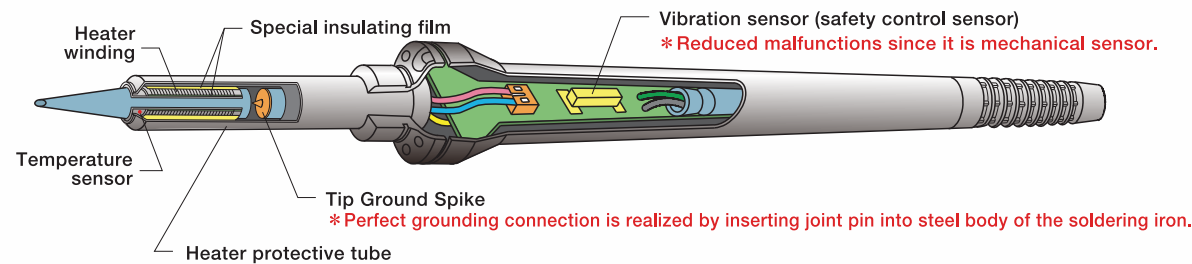
Lead-free Soldering station

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)/U107LI-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.

Large capacity heater soldering irons

UNICON-108II 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		Hand piece	
Model	U108II-ST	Model	U108LI-HD(L)/U108LLI-HD(LL)/U108XLI-HD(XL)
Input power *	AC100V±10% 50/60Hz	Heater power	100W(L)/150W(LL)/300W(XL)
Power consumption	Max. 300W	Tip-to-Ground Resistance	Less than 2Ω
Output voltage	AC100V	Tip-to-Ground Potential	Less than 2mV
Outline dimensions	100(W)×90(H)×125(D)	Cord	1.5m
Weight	1kg	Full length	255mm(L)/265mm(LL)/310mm(XL)
Temperature accuracy	±10°C from setting value	Weight *	100g(L)/140g(LL)/250g(XL)
		Sensor	Ktype (CA Sensor)

*Measures for antistatic are only for L type and LL type.



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

IRON TIP OUTLINE DRAWING

Type S, 50W

(※1 3mm: Type B)

Model	A
U300202B	0.2
U300204B	0.4
U300207B	0.7

Model	A
U300107BC	0.7
U300110BC	1.0
U300115BC	1.5

Model	A
U302110C	1.0
U302120C	2.0
U302123C	2.3

Model	A	B
U300307D	0.7	0.3
U300310D	1.0	0.4
U300315D	1.5	0.5

Type M, 70W

(※1 3mm: Type B)

Model	A	B
U500202BE	0.2	17.5
U500204BE	0.4	17.5
U500207BE	0.7	17.5
U500204B	0.4	12.5
U500207B	0.7	12.5

Model	A	B
U500110BC	1.0	45
U500115BC	1.5	45
U500120BC	2.0	45
U500125BC	2.5	45
U500130BC	3.0	45
U500135BC	3.5	45
U500140BC	4.0	45
U500125BC6	2.5	60
U500135BC6	3.5	60

Model	A	B
U502110C	1.0	45
U502115C	1.5	45
U502120C	2.0	45
U502123C	2.3	45
U502130C	3.0	45
U502135C	3.5	45
U502140C	4.0	45
U502125C6	2.5	60
U502135C6	3.5	60

Model	A	B	C
U500310D	1.0	0.4	12.5
U500312D	1.2	0.5	12.5
U500316D	1.6	0.6	12.5
U500316D2	1.6	0.6	12.5
U500320D	2.0	0.6	12.5
U500320DE	2.0	0.6	17.5
U500324D	2.4	0.6	12.5
U500330D	3.2	0.6	12.5
U500340D	4.0	0.6	12.5

Type W Flat Pack Leads (Ditch type)

Model	A
U500520W	2.0
U500530W	3.0
U500540W	4.0

Type K Flat Pack Leads (Knife type)

Model	A
U500440K	

Type K Knife type

Model	A
U500410K	1.0
U500415K	1.5

Type L, 90W/100W

Model	A	B
U710B	1.0	7
U715B	1.5	10
U720B	2.0	12
U730B	3.0	15

Model	A
U720BC	2
U730BC	3
U740BC	4
U750BC	5

Model	A
U730C	3
U740C	4
U750C	5

Model	A	B
U730D	3	1.0
U740D	4	1.2
U750D	5	1.2

Type LL, 150W

Model	A	B
U1012B	1.2	10
U1020B	2.0	12
U1030B	3.0	12

Model	A
U1030BC	3
U1040BC	4
U1050BC	5

Model	A
U1040C	4
U1050C	5
U1060C	6

Model	A	B
U1040D	4	1
U1050D	5	1.2
U1060D	6	1.3

Type XL, 300W

Model	A	B
U1316B	1.6	12
U1325B	2.5	14
U1330B	3.0	16

Model	A
U1340BC	4
U1360BC	6
U1380BC	8
U13100BC	10

Model	A
U1360C	6
U1380C	8
U13100C	10

Model	A	B
U1360D	6	1.2
U1380D	8	1.5
U13100D	10	2.0

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.

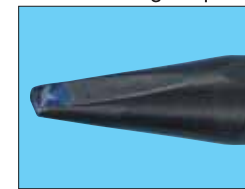
Password lock

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

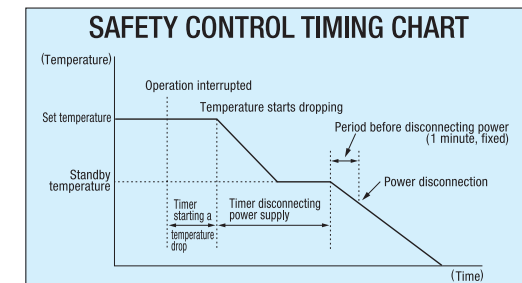
Ready buzzer

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.

Black High Tip



Longer life iron tip



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



Nitrogen gas is injected from the tip of the iron.

UNX-100S Nitrogen Gas Generator



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

Weight: 3kg

※Basic specification is identical to UNICON-107.

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.