



FEATURES

- An ideal welding tool for an amateur fancier, school, electronics plant and for maintaining the service, producing with laboratory.
- It has the precise function of regulating temperature, 1 degree or 10 degrees per grade can be regulated through the temperature regulating button and also can control the temperature through 200°C, 300°C and 400°C button. There is a °C/°F convert button.
- When operation breakdown takes place, warnings will appear on the screen and sound.

Technology specification:

Power supply voltage: 110volt (110volt-130volt) /60Hz
230volt (220volt-240volt) /50Hz

Electric iron power: 48 watt

Equipment power supply fuse: T1 A/250volt (50x20mm glass pipe)

Regulating range of temperature: 150 °C-450 °C

Temperature display: 2*31/2grades LCD display,
display range: 150 °C-450 °C

Display precision: 5%

Circumstance humidity: +5 °C-+40 °C, relative humidity < 85%
(not in humidification)

Air pressure: 600hpa-1000hpa

Outer size: 210x125x135mm

Weight: about 1.80kg



Model ZD-937

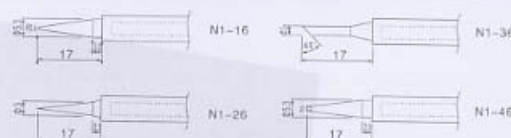
Code	Voltage supply	Note
89-3701	110-130V	ESD
89-3702	220-240V	
89-3705	110-130V	
89-3706	220-240V	

Spare heater

Code	Voltage	Power	Use for	Note
78-201A	24V	48W	88-201A	with temperature probe

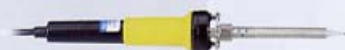
Spare tips:

Code	Model	Note
79-1116	TIP N1-16	High quality
79-1126	TIP N1-26	
79-1136	TIP N1-36	
79-1146	TIP N1-46	



Spare soldering iron

Code	Voltage	Power	Note
88-201A	24V	48W	with temperature probe



Sponge

Code	Size
79-7301	56X36mm

Model	Package	Q'ty/ctn	Carton Size	N.W	G.W
ZD-937	Gift box	4sets	32x24.5x31cm	8.5kgs	9.5kgs



FEATURES

- This welding machine is an welding tool for an amateur fancier, school, car of electronics, and for maintaining the service, producing with laboratory.
- It has the precise function of regulating temperature, 1 degree or 10 degrees per grade can be regulated through the temperature regulating button.
- When operation breakdown takes place, warnings will appear through screen display and sound.

Technology specification:

Power supply voltage: 110volt (110volt-130volt) /60Hz
230volt (220volt-240volt) /50Hz

Electric iron power: 48 watt

Equipment power supply fuse: T1 A/250volt (50x20mm glass pipe)

Regulating scope of temperature: 150°C-450°C

Temperature display: 2*31/2grades LCD display,
display scope: 150°C-450°C

Display precision: 5%

Circumstance humidity: +5°C-+40°C, relative humidity<85%
(not in humidification)

Atmospheric pressure: 600hpa-1000hpa

Shell size: 195x87x165mm width/height/depth(without electric iron)

Weight: about 2.00kg



Model ZD-931

Code	Voltage supply	Note
89-3101	110-130V	ESD
89-3102	220-240V	
89-3105	110-130V	
89-3106	220-240V	

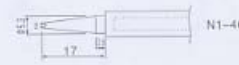
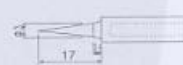
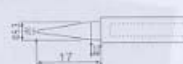
Spare heater

Code	Voltage	Power	Use for	Note
78-201A	24V	48W	88-201A	with temperature probe



Spare tips:

Code	Model	Note
79-1116	TIP N1-16	High quality
79-1126	TIP N1-26	
79-1136	TIP N1-36	
79-1146	TIP N1-46	



Spare soldering iron

Code	Voltage	Power	Note
88-201A	24V	48W	with temperature probe



Sponge

Code	Size
79-7301	56X36mm

Model	Package	Q'ty/ctn	Carton Size	N.W	G.W
ZD-931	Gift box	5sets	53.5x23.5x23.5cm	9.5kgs	12.5kgs

FEATURES

Digital display

With on/off switch

Heater power for soldering iron: 48W

Temperature: 160°C-480°C

Iron voltage: 24Vac

Soldering iron length: 198mm

Soldering station: L170xW116xH96mm

Product description

The ZD-929C electronic temperature control soldering station has been developed to meet the present and future needs of the electronics industry. It incorporates a sophisticated electronic circuit which enables the user to change the tip temperature from 320°F (160°C) to 900°F (480°C) without the need to change the tip or heating element. The temperature is maintained within $\pm 10^\circ\text{F}$ of its preset temperature. This is made possible by a unique temperature sensor that is located near the tip, resulting in rapid response and little temperature variation. The tip of the unit is isolated from the AC line by a transformer. Low voltage (24 volts) is utilized to power the heating element. Completely electronic switching protects voltage and current sensitive components against transient spikes sometimes caused by other units utilizing mechanical switching circuits. This unit incorporates a linear LED array readout which accurately indicates the temperature of the tip.



Model ZD-929C

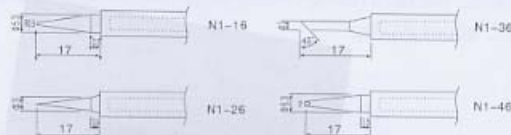
Code	Voltage supply	Note
89-2931	110~130V	ESD
89-2932	220~240V	
89-2933	110~130V	
89-2934	220~240V	

Spare heater

Code	Voltage	Power	Use for	Note
78-201B	24V	48W	88-201B	with temperature probe

Spare tips:

Code	Model	Note
79-1116	TIP N1-16	High quality
79-1126	TIP N1-26	
79-1136	TIP N1-36	
79-1146	TIP N1-46	



Spare soldering iron

Code	Voltage	Power	Note
88-201B	24V	48W	with temperature probe



Sponge

Code	Size
79-7307	70X40mm



Model	Package	Q'ty/ctn	Carton Size	N.W	G.W
ZD-929C	Gift box	5sets	49x23.5x23cm	9.5kgs	10.5kgs

FEATURES

- Professional soldering station 48W (150~420°C)
- voltage supply: 230Vac (220Vac-240Vac) /50HZ
110Vac (110Vac-130Vac) /60HZ
- LED indication: 12 LED bar-type temperature read-out
- With on/off switch
- Heater power for soldering iron:48W
- Temperature: 150~420°C
- Iron voltage: 24Vac
- Soldering iron length: 198mm
- Soldering station: L170xW116xH96mm

WORKING TEMPERATURE

Soldering at the correct temperature is very important to ensure perfect soldering connection. If the temperature is too low the solder will not flow correctly and will cause cold solder joints. If the temperature is too high the flux will be burned and not allow the solder to flow. High temperature can also cause damage to the PC Board and other sensitive components. When particular soldering being used a good joint is assured.

The most common solder alloys used in electronics industry is 60% tin, 40% lead (60/40).

A common tip working temperature of 60/40 solder is listed below (this may vary from manufacturer to manufacturer):

Melting point-----419°F (215°C)

Normal operation----- 518°F-572°F (250°C-300°C)

Production line operation-----608°F-716°F (320°C-380°C)

Desoldering operation for small joint-----599°F (315°C)

Desoldering operation for large joint-----752°F (400°C)



Model ZD-929B

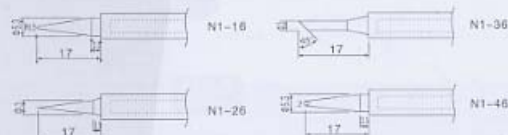
Code	Voltage supply	Note
89-2921	110~130V	ESD
89-2922	220~240V	
89-2925	110~130V	
89-2926	220~240V	

Spare heater

Code	Voltage	Power	Use for	Note
78-201B	24V	48W	88-201B	with temperature probe

Spare tips:

Code	Model	Note
79-1116	TIP N1-16	High quality
79-1126	TIP N1-26	
79-1136	TIP N1-36	
79-1146	TIP N1-46	



Spare soldering iron

Code	Voltage	Power	Note
88-201B	24V	48W	with temperature probe



Sponge

Code	Size
79-7307	70X40mm



Model	Package	Q'ty/ctn	Carton Size	N.W	G.W
ZD-929B	Gift box	5sets	49x23.5x23cm	9.5kgs	10.5kgs

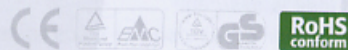
FEATURES

- Professional soldering station 48W (150-450°C)
- Voltage supply: 230Vac (220-240Vac) /50HZ
110Vac(110-130Vac) /60HZ
- Manual temperature setting
- Power-on LED indication
- With on/off switch
- Heater power for soldering iron: 48W
- Temperature: 150-450°C
- Iron voltage: 24Vac
- Soldering iron length: 198mm
- Soldering station: L170xW116xH96mm

CARE OF THE TIP

The tip supplied is an iron plated copper. If used properly, it will last for a long time.

1. Always keep tips tinned before switching off or storing for any period of time; wipe only before use.
2. Do not keep the iron set at high temperature for a long period of time as this will break down the surface of the tip.
3. Never clean the tip with coarse abrasive materials or files.
4. If an oxide film does form it can be cleaned by lightly rubbing with a 600-800 grit emery cloth, isopropyl alcohol or equivalent, and then immediately re-heat and re-tin the tip to prevent oxidation of the wettable surface.
5. Remove the tip and clean every twenty hours of use, or at least once a week, and remove any loose build up in the barrel.
6. Do not use fluxes containing chloride or acid. Use only rosin or activated resin fluxes.
7. Do not use any compound or anti-seize materials on the wettable surface.

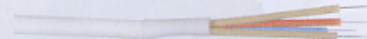


Model ZD-929A

Code	Voltage supply	Note
89-2911	110~130V	ESD
89-2912	220~240V	
89-2915	110~130V	
89-2916	220~240V	

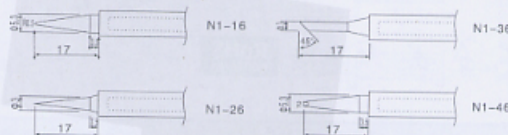
Spare heater

Code	Voltage	Power	Use for	Note
78-201B	24V	48W	88-201B	with temperature probe



Spare tips:

Code	Model	Note
79-1116	TIP N1-16	High quality
79-1126	TIP N1-26	
79-1136	TIP N1-36	
79-1146	TIP N1-46	



Spare soldering iron

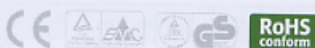
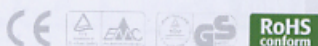
Code	Voltage	Power	Note
88-201B	24V	48W	with temperature probe



Sponge

Code	Size
79-7307	70X40mm

Model	Package	Q'ty/ctn	Carton Size	N.W	G.W
ZD-929A	Gift box	5sets	49x23.5x23cm	9.5kgs	10.5kgs



FEATURES

- Perfect for board level assembly and repair and is rugged enough for continuous duty and production use.
- Closed loop electronic temperature control.
- Temperature sensor incorporated into the heating element.
- Rotary temperature setting.
- Slim, high precision iron handle.
- Detachable/replaceable soldering iron.
- Heat resistant silicon jacketed iron and line cord
- Detachable iron stand with integral tip cleaner, with included cleaning sponge.
- Variety of replacement tips available.

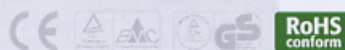
Specification

Temperature: 150°C-450°C

Soldering Iron: 24Vac 48W

Safety guard iron holder

Replaceable Tips

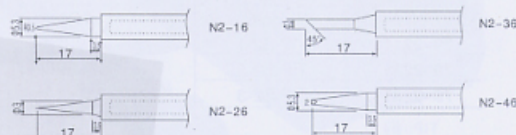


Model ZD-919

Code	Voltage supply	Note
89-1901	110~130V	ESD
89-1902	220~240V	
89-1905	110~130V	
89-1906	220~240V	

Spare tips:

Code	Model	Note
79-1216	TIP N2-16	High quality
79-1226	TIP N2-26	
79-1236	TIP N2-36	
79-1246	TIP N2-46	



Spare parts:

Description	Code	Voltage	Power
soldering iron	88-231A	24V	48W



heater	78-231B	24V	48W
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sponge	79-7302	Size:60X60mm	
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Model	Package	Q'ty/ctn	Carton Size	N.W	G.W
ZD-919	Gift box	5sets	49x23.5x23cm	10.5kgs	11.5kgs

