



Specification Sheets

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AD 2950 DIGITAL CONTROL UNIT

Control unit AD 2950 is the basic control unit that allows operation alternatively with a 20W or 50W soldering iron, covering all electronics soldering requirements.

The stand for the soldering iron is integrated with the control unit and is "intelligent" which means it is aware when the soldering iron is in the stand and reduces the temperature, remaining in the "sleep cycle". The stand incorporates a tip extractor/inserter, which allows the use of two types of tip.

For temperature control and other characteristics, a microprocessor is used enabling the AD 2950 to offer a high productivity and the lowest cost of ownership ever.

Sleep mode, Hibernation mode, lock out of parameters by PIN, are all included in this highly competitive soldering station.



Technical specifications

Control unit	AD 2950	
Weight	2,4 Kg	5.3 lb
Size:	Width 155 mm / 6.1", Height: 115 mm / 4.5", Depth: 155 mm / 6.1"	
Voltage (AC)	230, 120 & 100 V	
Power: Hibernation / Sleep / Nominal / Peak	4 W / 10 W / 75 W / 140 W	
ESD	Skin effect (10^5 - $10^{11} \Omega / \square$)	
Temperature Range	90 - 450 °C	190 - 840 °F
Idle Temp. Stability (Still air)	± 1.5 °C	± 3 °F
Tip to ground resistance (Ω)	< 2	
Tip to ground voltage (mv RMS)	< 2	
Ambient operating temp.	10 - 40 °C	50 - 104 °F

Connectable Tools:

2210 Handpiece	Ref.: 2210000	With 2210 cartridges
2245 Handpiece	Ref.: 2245000	With 2245 cartridges
2245 Comfort Handpiece	Ref.: 2245110	With 2245 cartridges
2245 Handpiece with set screw	Ref.: 2245130	With 2245 cartridges

Meets Standards:

IPC J-STD-001D, MIL-STD-2000,
ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1,
EN 55014-2, EN 61000-3-2, EN 61000-3-3



DI 2860

1 TOOL CONTROL UNIT

Control unit featuring digital read-out for precise temperature and tools control.

All soldering handpieces, hot tweezers and desoldering irons of our Advanced range can be used with the DI 2860 always using the corresponding stand.

Includes all basic advantages and characteristics featured in the rest of our Advanced stations.

Sleep mode, Hibernation mode, lock out of parameters by PIN, are all included in this highly competitive soldering-desoldering station.

Control of nitrogen feed built-in when used with Nitrogen Control Module MS 9016.



Technical specifications

Control unit	DI 2860	
Weight	2 Kg	4.4 lb
Size:	Width 100 mm / 3.9", Height: 120 mm / 4.7", Depth: 155 mm / 6.1"	
Voltage (AC)	230, 120 & 100V	
Power: Hibernation / Sleep / Nominal / Peak	4W / 10W / 75W / 140W	
ESD	Skin effect (10 ⁵ -10 ¹¹ Ω/□)	
Temperature Range	90 - 450 °C	190 - 840 °F
Idle Temp. Stability (Still air)	± 1.5 °C	± 3 °F
Tip to ground resistance (Ω)	< 2	
Tip to ground voltage (mv RMS)	< 2	
Ambient operating temp.	10 - 40 °C	50 - 104 °F

Connectable Tools:

Tool	Stand	Cartridge
2210 Handpiece	AD 8210	2210
2245 Handpiece	AD 8245	2245
2245 Comfort Handpiece	AD 8245	2245
2245 Handpiece with set screw	AD 8245	2245
PA 1200 Micro hot tweezers	PA 8110	1200
PA 4200 Hot tweezers	PA 8120	2245
AP 1300 Solder feed iron	AP 8130	1300
DR 5650 Desoldering iron with MS 9014 or MS 9015 desoldering vacuum pumps	DR 8500	5600 tip
2245170 Handpiece with MS 9016 Nitrogen control module	AD 8245	2245

Meets Standards:

IPC J-STD-001D, MIL-STD-2000,
ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1,
EN 55014-2, EN 61000-3-2, EN 61000-3-3



DI 3000

DUAL TOOL SINGLE USER CONTROL UNIT

Control unit featuring digital read-out for precise temperature and tool control.

The Dual control unit DI 3000, allows you to work with one tool and have the other tool in its stand at "sleep" temperature. To switch, just place back one tool in its stand and take out the other. All soldering handpieces and hot tweezers of our Advanced range can be used with the DI 3000, always using the corresponding stand.

Sleep mode, Hibernation mode, lock out of parameters by PIN, are all included in this highly competitive soldering station.



Technical specifications

Control unit	DI 3000	
Weight	2 Kg	4.4 lb
Size:	Width 100 mm / 3.9", Height: 120 mm / 4.7", Depth: 155 mm / 6.1"	
Voltage (AC)	230, 120 & 100V	
Power: Hibernation / Sleep / Nominal / Peak	4 W / 10 W / 75 W / 140 W	
ESD	Skin effect (10 ⁵ -10 ¹¹ Ω/□)	
Temperature Range	90 - 450 °C	190 - 840 °F
Idle Temp. Stability (Still air)	± 1.5 °C	± 3 °F
Tip to ground resistance (Ω)	< 2	
Tip to ground voltage (mv RMS)	< 2	
Ambient operating temp.	10 - 40 °C	50 - 104 °F

Connectable Tools:

Tool	Stand	Cartridge
2210 Handpiece	AD 8210	2210
2245 Handpiece	AD 8245	2245
2245 Comfort Handpiece	AD 8245	2245
2245 Handpiece with set screw	AD 8245	2245
PA 1200 Micro hot tweezers	PA 8110	1200
PA 4200 Hot tweezers	PA 8120	2245
AP 1300 Solder feed iron	AP 8130	1300

Meets Standards:

IPC J-STD-001D, MIL-STD-2000,
ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1,
EN 55014-2, EN 61000-3-2, EN 61000-3-3



JT 7700

HIGH POWER HOT AIR STATION

The JT 7700 is used for desoldering all types of SMDs. Its powerful heater enables quick and safe desoldering of even the biggest QFPs and PLCCs. In addition to this, it desolders small and medium sized BGA's in a very reduced time span. Digital read-out temperature allows more precision and control tool. The system, exclusive to JBC, uses extractors/protectors and hot air, and allows desoldering in a quick, safe and clean way while protecting the surrounding components by concentrating the heat onto the IC. A medium-sized QFP, for example, can be desoldered in 20 seconds. Fix temperature, fix air flow, time off and lock out of parameters by PIN, are included in to build in console functions.



Technical specifications

Control unit		JT 7700	
Weight:	3,6 Kg		7.9 lb
Size:	Width 155 mm / 6.1", Height: 140 mm / 5.5", Depth: 245 mm / 9.6"		
Voltage (AC):	230, 120 & 100V		
Maximum power:	1100W		
ESD:	Skin effect (10^5 - $10^{11} \Omega / \square$)		
Room operating temp.:	10 - 40 °C		50 - 104 °F

Hot air			
Power: Nominal / Peak	200 W / 900 W		
Temperature Range:	Room - 450 °C		Room - 850 °F
Idle Temp. Stability (Still air):	± 20 °C		± 36 °F
Air Flow Range:	6 - 45 l/min		

Connectable Tools:

Tool	Stand
MP 2260 Pick & Place	-
Complete hose JT 7000	JT 8700

Meets Standards:

IPC J-STD-001D, MIL-STD-2000, ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3



TE 5400

PRECISION HOT AIR STATION

The TE 5400 station is ideal for desoldering and soldering small and medium sized SMD's by hot-air. Its compact handpiece and selection of accessories make it the ideal tool for rework on small and dense PCB'S.

It takes about 30 seconds to desolder a medium sized component, quick enough to prevent the substrate and component from heating up to a dangerous temperature. In combination with the unique system of extractors it provides the safest hot air desoldering system in the market.

The station has a digital temperature control feature as well as a regulated and accurate air flow, allowing desoldering SMD's safely, even on a heavily populated PCB's.

Fix temperature, fix air flow, time off and lock out of parameters by PIN, are included in to build in console functions.



Technical specifications

Control unit	TE 5400	
Weight:	6,7 Kg	14.7 lb
Size:	Width 155 mm / 6.1", Height: 140 mm / 5.5", Depth: 295 mm / 11.6"	
Voltage (AC):	230, 120 & 100V	
Maximum power:	220W	
ESD:	Skin effect (10^5 - $10^{11} \Omega / \square$)	
Room operating temp.:	10 - 40 °C	50 - 104 °F

Hot air		
Power: Nominal / Peak	100 W / 220 W	
Temperature Range:	Room - 450 °C	Room - 850 °F
Idle Temp. Stability (Still air):	± 20 °C	± 36 °F
Air Flow Range:	4 - 11 l/min	

Connectable Tools:

Tool	Stand
MP 2260 Pick & Place	-
Complete hose TE 5400	TE 8600

Meets Standards:

IPC J-STD-001D, MIL-STD-2000, ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3



DD 5700 DUAL CONTROL UNIT

Control unit featuring digital read-out that allows precise temperature and tool control.

The control unit DD 5700, allows you to connect and work with 2 tools simultaneously.

All soldering handpieces, hot tweezers and desoldering iron of our Advanced range can be used with the DD 5700, always using the corresponding stand.

Sleep mode, Hibernation mode, lock out of parameters by PIN, are all included in this highly performance soldering station.



Technical specifications

Control unit	DD 5700	
Weight	4,5 Kg	9.9 lb
Size:	Width 155 mm / 6.1", Height: 110 mm / 4.3", Depth: 240 mm / 9.4"	
Voltage (AC)	230, 120 & 100V	
Power: Hibernation / Sleep / Nominal / Peak	2 x 4W / 2 x 10W / 2 x 75W / 2 x 140W	
ESD	Skin effect (10 ⁵ -10 ¹¹ Ω/□)	
Temperature Range	90 - 450 °C	190 - 840 °F
Idle Temp. Stability (Still air)	± 1.5 °C	± 3 °F
Tip to ground resistance (Ω)	< 2	
Tip to ground voltage (mv RMS)	< 2	
Ambient operating temp.	10 - 40 °C	50 - 104 °F

Connectable Tools:

Tool	Stand	Cartridge
2210 Handpiece	AD 8210	2210
2245 Handpiece	AD 8245	2245
2245 Comfort Handpiece	AD 8245	2245
2245 Handpiece with set screw	AD 8245	2245
PA 1200 Micro hot tweezers	PA 8110	1200
PA 4200 Hot tweezers	PA 8120	2245
AP 1300 Solder feed iron	AP 8130	1300
DR 5650 Desoldering iron with MS 9014 or MS 9015 desoldering vacuum pumps	DR 8500	5600 tip

Meets Standards:

IPC J-STD-001D, MIL-STD-2000,
ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1,
EN 55014-2, EN 61000-3-2, EN 61000-3-3



DM 6700 4 TOOL CONTROL UNIT

Control unit featuring digital read-out that allows precise temperature and tool control.

The control unit DM 6700, allows you to connect and work with 4 tools simultaneously.

All soldering handpieces, hot tweezers and desoldering iron of our Advanced range can be used with the DM 6700, always using the corresponding stand.

Sleep mode, Hibernation mode, lock out of parameters by PIN, are all included in this highly performance soldering station.



Technical specifications

Control unit	DM 6700	
Weight	5,4 Kg	11.9 lb
Size:	Width 155 mm / 6.1", Height: 110 mm / 4.3", Depth: 240 mm / 9.4"	
Voltage (AC)	230, 120 & 100V	
Power: Hibernation / Sleep / Nominal / Peak	4 x 4 W / 4 x 10 W / 4 x 75 W / 4 x 140 W	
ESD	Skin effect (10^5 - $10^{11} \Omega / \square$)	
Temperature Range	90 - 450 °C	190 - 840 °F
Idle Temp. Stability (Still air)	± 1.5 °C	± 3 °F
Tip to ground resistance (Ω)	< 2	
Tip to ground voltage (mv RMS)	< 2	
Ambient operating temp.	10 - 40 °C	50 - 104 °F

Connectable Tools:

Tool	Stand	Cartridge
2210 Handpiece	AD 8210	2210
2245 Handpiece	AD 8245	2245
2245 Comfort Handpiece	AD 8245	2245
2245 Handpiece with set screw	AD 8245	2245
PA 1200 Micro hot tweezers	PA 8110	1200
PA 4200 Hot tweezers	PA 8120	2245
AP 1300 Solder feed iron	AP 8130	1300
DR 5650 Desoldering iron with MS 9014 or MS 9015 desoldering vacuum pumps	DR 8500	5600 tip

Meets Standards:

IPC J-STD-001D, MIL-STD-2000,
ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1,
EN 55014-2, EN 61000-3-2, EN 61000-3-3



AM 6800 REWORK STATION

Station for rework and repair of through-hole and SMT boards. It contains 4 modules which cover the main rework tasks:

Hot air to desolder any size of SMD component.

Desoldering SMTs and cleaning of through-hole components and pads by using the desoldering iron DR 5600, The unit features a self-contained vacuum pump.

Pick & Place pencil by suction to aid components positioning.

Soldering and desoldering of all types of components, with the swift response, high power and superb temperature recovery of the Advanced Series.

It incorporates a second Sleep function that makes the station go into hibernation which means the station continues working without heating the tools. The minimum consumption state detects when a tool is picked up and it begins to heat up again.

The station is easily controllable thanks to the precise information display and build in console functions.



Technical specifications

Control unit	AM 6800	
Weight:	8,1 Kg	17.9 lb
Size:	Width 255 mm / 10", Height: 130 mm / 5.1", Depth: 300 mm / 11.8"	
Voltage (AC):	230, 120 & 100V	
Maximum power:	1100W	
ESD:	Skin effect (10^5 - $10^{11} \Omega / \square$)	
Room operating temp.:	10 - 40 °C	50 - 104 °F

AM 6800 ports		
Power (each tool):	6 W / 10 W / 75 W / 140 W	
Hibernation / Sleep / Nominal / Peak	6 W / 10 W / 75 W / 140 W	
Temperature Range:	90 - 450 °C	190 - 840 °F
Idle Temp. Stability (Still air):	± 1,5 °C	± 3 °F
Desoldering Vacuum:	75% / 570 mmHg / 22.4 in.Hg	
Desoldering Flow Rate:	9 l/min	

Hot air		
Power: Nominal / Peak	200 W / 900 W	
Temperature Range:	Room - 450 °C	Room - 850 °F
Idle Temp. Stability (Still air):	± 20 °C	± 36 °F
Air Flow Range:	6 - 45 l/min	

Meets Standards:

IPC J-STD-001D, MIL-STD-2000, ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1, EN 55014-2, EN 61000-3-2, EN 61000-3-3

Connectable Tools:

Tool	Stand	Cartridge
2210 Handpiece	AD 8210	2210
2245 Handpiece	AD 8245	2245
2245 Comfort Handpiece	AD 8245	2245
2245 Handpiece with set screw	AD 8245	2245
PA 1200 Micro hot tweezers	PA 8110	1200
PA 4200 Hot tweezers	PA 8120	2245
AP 1300 Solder feed iron	AP 8130	1300
DR 5650 Desoldering iron	DR 8500	5600 tip
MP 2260 Pick & Place	-	-
Complete hose JT 7000	JT 8700	-



AL 2500 SOLDER FEED STATION

This is the perfect complement to automate the soldering process through a feed system using the unique advantages of the Advanced Soldering station.

The system is supplied containing the control unit AL 2500 that incorporates the electronic control, the motorized solder wire feed, the conduction tube and the solder feed handle.

Sleep mode, Hibernation mode, lock out of parameters by PIN, are all included in this highly competitive soldering station.



Technical specifications

Control unit	AL 2500	
Weight	3,2 Kg	7 lb
Size:	Width 195 mm / 7.7", Height: 200 mm / 7.9", Depth: 240 mm / 9.4"	
Voltage (AC)	230, 120 & 100V	
Power: Hibernation / Sleep / Nominal / Peak	4 W / 10 W / 75 W / 140 W	
ESD	Skin effect (10^5 - $10^{11} \Omega/\square$)	
Temperature Range	90 - 450 °C	190 - 840 °F
Idle Temp. Stability (Still air)	± 1.5 °C	± 3 °F
Tip to ground resistance (Ω)	< 2	
Tip to ground voltage (mv RMS)	< 2	
Ambient operating temp.	10 - 40 °C	50 - 104 °F
Capacity of solder reels up to	2 Kg	4.4 lb
Diameter of solder thread	0,5mm to 1,5 mm	0.02" to 0.06"

Connectable Tools:

Tool	Stand	Cartridge
2500 Soldering iron	AD 8250	2500
	Hands free soldering stand AL 2500	

Meets Standards:

IPC J-STD-001D, MIL-STD-2000,
ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1,
EN 55014-2, EN 61000-3-2, EN 61000-3-3



HD 4700 HEAVY DUTY

The HD 4700 is the ideal solution for prolonged heavy duty soldering. It is specially designed to solder intensively on multiple layer boards and on parts requiring high amount of heat. The temperature on the tip is strictly controlled by a micro processor through the sensor-heating element integrated to the tip itself. It includes a sleep system, the hibernation mode and all other basic advantages featured in the rest of our Advanced stations.

The 2245 can be connected to the station using the 4700 cartridge range.

The HD 4700 offers high reliability also in some special intensive applications like for example in solar panel production.



Technical specifications

Control unit	HD 4700	
Weight	4,5 Kg	9.9 lb
Size:	Width 155 mm / 6.1", Height: 110 mm / 4.3", Depth: 240 mm / 9.4"	
Voltage (AC)	230, 120 & 100V	
Power: Hibernation / Sleep / Nominal / Peak	9 W / 20 W / 145 W / 270 W	
ESD	Skin effect (10^5 - $10^{11} \Omega / \square$)	
Temperature Range	90 - 500 °C	190 - 930 °F
Idle Temp. Stability (Still air)	$\pm 1,5$ °C	± 3 °F
Tip to ground resistance (Ω)	< 2	
Tip to ground voltage (mv RMS)	< 2	
Ambient operating temp.	10 - 40 °C	50 - 104 °F

Connectable Tools:

Tool	Stand	Cartridge
2245 Handpieces	HD 8470	4700

Meets Standards:

IPC J-STD-001D, MIL-STD-2000,
ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1,
EN 55014-2, EN 61000-3-2, EN 61000-3-3



MS 9014 ELECTRIC DESOLDERING PUMP

Electrically driven vacuum pump. Features an overdrive at startup. This will make the vacuum ramp up quickly so the solder is being removed before the solder joint cools down.



Technical specifications

Control unit	MS 9014	
Weight	1,7 Kg	3.7 lb
Size:	Width 145 mm / 5.7", Height: 65 mm / 2.5", Depth: 220 mm / 8.6"	
Voltage (AC)	24V (from control unit)	
Power:	12 W	
ESD	Skin effect (10^5 - $10^{11} \Omega / \square$)	
Vacuum	75% / 570 mmHg / 22.4 in.Hg	
Flow rate (SLPM)	9	
Ambient operating temp.	10 - 40 °C	50 - 104 °F

Connectable Tools:

Tool	Stand	Tips
DR 5650 Desoldering iron	DR 8500	5600

Connectable Stations:

Station
DI 2860
DD 5700
DM 6700

Meets Standards:

IPC J-STD-001D, MIL-STD-2000,
ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1,
EN 55014-2, EN 61000-3-2, EN 61000-3-3



MS 9015 AIR PRESSURE DESOLDERING SYSTEM

Driven by compressed air by means of a Venturi valve. This system offers the best result because the vacuum ramps up instantly. Compressed air needs to be available at the operator's bench.



Technical specifications

Control unit	MS 9015	
Weight	1,4 Kg	3.1 lb
Size:	Width 145 mm / 5.7", Height: 65 mm / 2.5", Depth: 220 mm / 8.6"	
Voltage (AC)	24V (from control unit)	
Power:	3 W	
Air pressure	3 to 6 Bar	
Air pressure intake racor	6 mm Ø PVC TUBE	
ESD	Skin effect (10 ⁵ -10 ¹¹ Ω/□)	
Vacuum	90% / 680 mmHg / 26.8 in.Hg	
Flow rate (SLPM)	15	
Ambient operating temp.	10 - 40 °C	50 - 104 °F

Connectable Tools:

Tool	Stand	Tips
DR 5650 Desoldering iron	DR 8500	5600

Connectable Stations:

Station
DI 2860
DD 5700
DM 6700

Meets Standards:

IPC J-STD-001D, MIL-STD-2000,
ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1,
EN 55014-2, EN 61000-3-2, EN 61000-3-3



MS 9016 NITROGEN CONTROL MODULE

Under development

The electrovalve is controlled by the soldering station, which allows soldering by feeding nitrogen and minimizes the consumption of the nitrogen itself.

Once the Nitrogen Control Module has been connected to the control unit DI 2860, and the configuration of the "N2 Sleep Mode" in the menu has been set, the module will allow the gas to pass through when the tool is grabbed from its stand, and will close it off when the tool is returned to the stand.



Technical specifications

Control unit	MS 9016	
Weight	1,4 Kg	3.1 lb
Size:	Width 145 mm / 5.7", Height: 65 mm / 2.5", Depth: 220 mm / 8.6"	
Voltage (AC)	24V (from control unit)	
Power:	3 W	
Max. pressure	6 Bar	
Pressure intake	6 mm Ø PVC TUBE	
ESD	Skin effect (10^5 - 10^{11} Ω/□)	
Ambient operating temp.	10 - 40 °C	50 - 104 °F

Connectable Tools:

Tool	Stand	Cartridge
2245170 Handpiece	AD 8245	2245

Connectable Stations:

Station
DI 2860

Meets Standards:

IPC J-STD-001D, MIL-STD-2000,
ESD STM 13.1-2000

EN 60335-1, EN 60335-2-45, EN 55014-1,
EN 55014-2, EN 61000-3-2, EN 61000-3-3

