



SEM DPA - Self contained Air desoldering Set

SEM DVA - Desoldering "Venturi" Unit

**Small Profile :**

SEM DPA/DVA Sets saving space while location is just under the Station.

**Efficiency :**

SEM DPA/DVA Sets are equipped with high vacuum efficiency and 50 or 100W powered desoldering Iron.

**Affordable Price :**

Thanks to modularity and easily connecting to a standard Station (simple or DUAL).

**Safety and security :**

SEM DPA/DVA Sets are working only in the range mastered by the Station; ABS Case is ESD.

Evolutive :

SEM DPA/DVA Sets are versatile thanks to the adaptability with all thermoregulated SEM Stations.

**New Concept :**

SEM DPA/DVA have been designed to meet requirements for desoldering multilayer Pcb and the 100W Set is especially well studied for QFP, PLCC and SO .

SEM DPA Set is 230VAC supplied and equipped with a efficient self vacuum pump.

SEM DVA Set need only compressed air from 3 to 8 bars. .

**DUAL DC Station (ESD)**

(DUAL Station ready to connect 1 solder + 1 desoldering Iron )

○ Regulated by Microcontroler

- accurate temperature control ( $\pm 2^{\circ}\text{C}$ )
- quick setting of the temperature with real display
- error selfchecking with messages displayed

○ 3 Levels of programming:

- automatic standby at  $150^{\circ}\text{C}$  if Iron not in use for 30 minutes and/or stop if not in use for 1 hour.

- locking temperature setting with own 3 digit access code.

- OFFSET control allows to coincide the Tip temperature with the one displayed.

Two Output have independent temperature setting and locking.

Supply : 230VAC Out : 24V 50/60Hz - Insulation 4000Volts

**Self contained air unit SEM DPA with built-in Pump**

○ Controlled by DUAL DC SF Station

○ ESD Cse ○ vacuum-meter

○ Desoldering Iron 50 or 100W ○ Supply 230VAC 50/60 Hz

○ Pump flow : 12l/mn ○ Dimensions mm : l=138 h= 87 p=173

**SEM DVA desoldering Venturi Unit**

○ Controlled by DUAL DC SF Station

○ ESD Case

○ Vacuum-meter

○ Desoldering Iron 50 or 100W

○ Supplied by the Station

○ Compressed Air : 3 à 8 bars

○ Dimensions mm: l=123 h= 67 p= 125



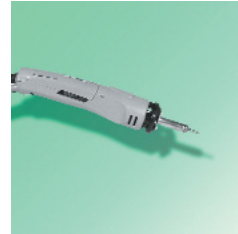
SEM DVA

## 24701 - 100W Desoldering Iron

- O Ergonomic
- O mini push button for control
- O no blocking up vacuuming system
- O accurate thanks to the short length between nozzle and hand
- O easy use and maintenance
- O Power 100W (24V) - weight 120g - length 220mm (w/o nozzle)
- O earth - nozzle resistance < 2 Ohms
- O leakage voltage < 2mV rms
- O nozzle connected to earth
- O no flammable ESD Cord

## Complete sold./desoldering programmable Set

- |                   |                                     |
|-------------------|-------------------------------------|
| O DPA 100         | 1 100W desoldering Iron             |
| O DVA 100         | 1 100W desoldering Iron             |
| O DUAL DPA 100    | 1 100W desoldering Iron+ 1 50W Iron |
| O DUAL DVA 100    | 1 100W desoldering Iron+ 1 50W Iron |
| O DUAL DPA 100M95 | 1 100W desoldering Iron+ 1 95W Iron |
| O DUAL DVA 100M95 | 1 100W desoldering Iron+ 1 95W Iron |



## special Tips for QFP - Sot - PLCC (long Life)

- For 24701 100W Desoldering Iron
- O Several standards types (ask for special)

### "high thermal transfer" nozzle

Internal diameter from 0.8 to 2.5 mm.

### "long life" nozzle

0.8 to 2.0 mm int diameter



## Soldering Iron for standard components 2501




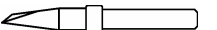
- O 50W Power 24V - 50g weight- 205mm length
- O earth - tip resistance < 2 Ohms
- O leakage voltage < 2mV rms
- O tip connected to earth
- O steady state temperature ripple <5°C
- O temperature control from 50 to 450°C
- O non flammable ESD Cord



iron 50W (2501)

## Soldering Iron for smd components 95W 2101

- O 95W Power 24V - 45g weight- 205mm length
- O same datasheet that the iron 50w 2501

- |                     |                                                                                     |
|---------------------|-------------------------------------------------------------------------------------|
| Cone shaped type    |  |
| Cone shaped whistle |  |
| Screwdriver type    |  |
| Tin reserve         |  |



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