

Solder Pots For Lead-Free Soldering

The change to lead-free solders will sometimes require a change in capital equipment. Replacing solder pots is one such example. It is almost impossible to ensure that no lead contamination remains in your old solder pot. Changing out the crucible alone can be challenging and time consuming. We recommend purchasing a new Plato® solder pot with a porcelain coated crucible.

Porcelain Coated Crucibles

Plato's porcelain coated crucible is easy to clean and offers a long service life. Solder will not adhere to the porcelainized surface, allowing for easy maintenance. The coating also resists the corrosion common with activated fluxes and high tin content solders. All Plato solder pots can be ordered with a porcelain coated crucible by adding a P to the end of the part number.

"Solder beads off the porcelain coating like water on a freshly waxed car"



General Purpose Solder Pots

Plato General Purpose Solder Pots control temperature $\pm 11^\circ\text{F}$ ($\pm 6^\circ\text{C}$) through the use of a thermal timer switch with automatic correction for voltage fluctuations.

Proven features include:

- A three index position control switch with infinitely variable temperature control.
- Safety heat shield.
- Removable dross tray for easy cleaning.
- Three-wire, grounded UL listed cord.
- 2.5" (64mm) diameter by 1.5" (38mm) deep crucible.
- Adjustable leveling feet.
- All metal construction for ESD protection.



MODEL	INPUT	WATTAGE	TEMPERATURE RANGE
SP-101P	120VAC	350	500° to 975°F (525°C)
* SP-201P	240VAC	350	500° to 975°F (525°C)
SP-301P	120VAC	500	500° to 1100°F (595°C)
* SP-401P	240VAC	500	500° to 1100°F (595°C)

* SP-201P and SP-401P Display Temperature in Celsius.

Precision Solder Pots

Plato's Precision Solder Pots exceed the requirements of military specifications ANSI (J-STD-001B). The pots control temperatures to $\pm 5^\circ\text{F}$ ($\pm 2.75^\circ\text{C}$) of a preselected setting from ambient to 925°F (496°C) and have an LCD temperature display.

SP-500TP and SP-150TP

Additional Features:

- AN LCD that displays present temperature and operating temperature.
- A temperature preset switch to select the desired temperature.
- Limits transient voltage spiking to 2mV peak-to-peak, or less, for voltage sensitive components.
- Internal circuitry to compensate for incoming power fluctuations, power line circuit breaker.
- An output jack for external temperature recorder or data logger.



SP-600TP and SP-750TP

Additional Features:

- Large capacity crucible, 4" (102mm) by 6" (152mm) by 4" (102mm) deep.
- Safety warm-up crucible cover.



MODEL	INPUT	WATTAGE	TEMPERATURE RANGE
SP-500TP	120VAC	350	Ambient to 925°F (496°C)
* SP-150TP	240VAC	350	Ambient to 925°F (496°C)
SP-600TP	120VAC	1,000	Ambient to 750°F (399°C)
* SP-750TP	240VAC	1,000	Ambient to 750°F (399°C)

* SP-150TP and SP-750TP Display Temperature in Celsius.