ST100S
Digital Benchtop Syringe Controller

The ST100S is a digital shot timer used for syringe dispensing. This compact controller is an economic and ergonomic solution for improving the waste, inaccuracies, and clean up associated with many manual processes. The ST100S is ideal for chemistries packaged in syringes such as solder paste, UV adhesives, and masking material.

The ST100S has many integrated features including:

- Digital timer with LED display and 0.001 – 99.99 second time range
- Manual, timed, or teach modes
- Adjustable analog vacuum suck-back for clean cycle stops
- Integrated pressure control
- Electric foot pedal and power cord
- Built in regulator and gauge
- Sample PVA needle tips / 30cc syringe and air cap
- 9-pin serial port connection

For more information, please contact PVA at info@pva.net or contact your local representative.

System Specifications

Dimensions
241 mm x 168 mm x 70 mm
(9.5 in x 6.63 in x 2.75 in)

Weight
5 lbs (2.27 kg)

Power
115/230V AC input voltage
24V DC internal voltage

Air
100 psi (6.9 bar) maximum input
1-100 psi (0.1 – 6.9 bar) maximum output

Timer
0.01 sec – 99.99 sec

Cycle Initiation
Maintained, Momentary, or Teach

Repeat Accuracy
0.5 ms (0.005 sec)

Recycle Speed
12 ms (0.012 sec)

Certifications
CE, RoHS