

Technical Data Sheet (V-1)



ADoST SDS Pro

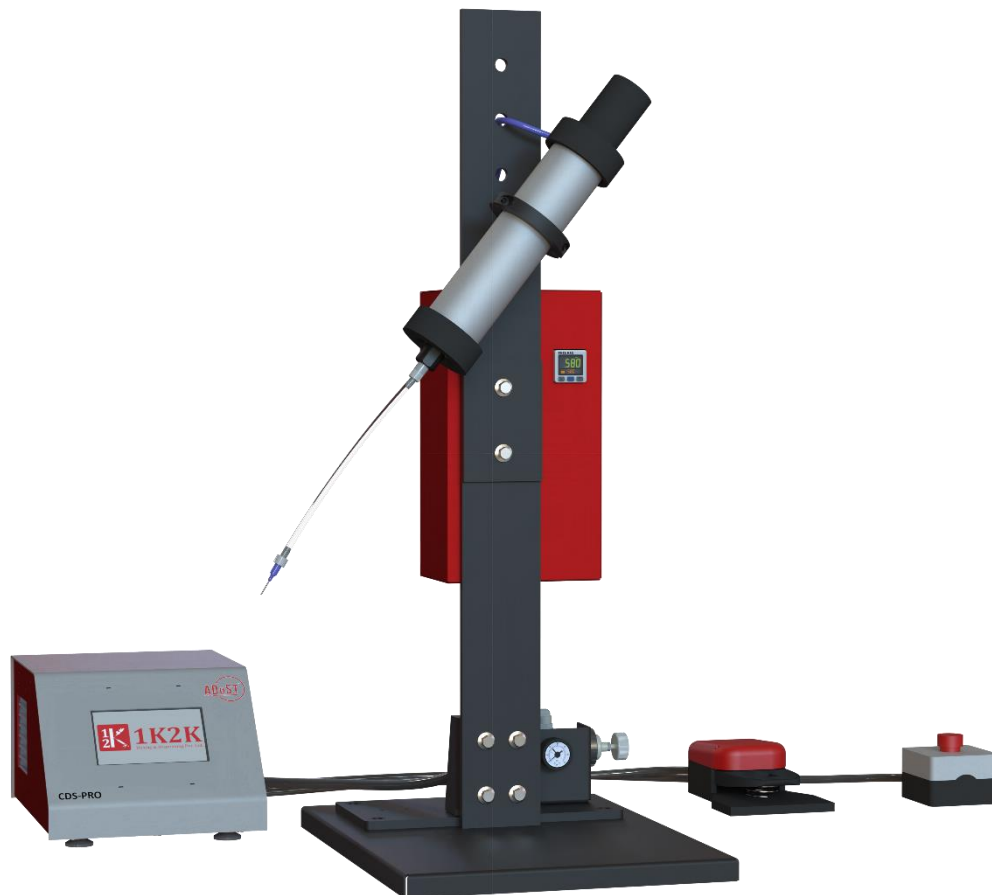
A pressure-time semi-automatic dispenser for low to medium viscous adhesives

14th June 2024

Product Description

ADoST SDS Pro is an advanced semi-automatic single cartridge dispensing system designed and developed to apply fixed volume of adhesive such as Silicon in a high-speed production line without having to hold dispenser manually. ADoST SDS Pro improves application efficiency while nearly eliminating worker fatigue. With ADoST SDS Pro, end users can apply as little as 0.02gm of adhesive volume consistently with just the press of a button.

ADoST SDS Pro comes with an optional auto purge feature that can be pre-programmed to dispense out the adhesive trapped inside tube during lunch breaks or shift change. This feature enables enhanced mixer life and reduced material wastage.



Applications

ADoST SDS PRO is designed to be used with low to medium viscous products having viscosities up to 45000cps. This unit is designed to efficiently dispense products of all cure pattern, however while dispensing very fast curing products (pot life ~5min or less), it is recommended to connect with our local application engineer or central technical services.

- Potting
- Encapsulation
- Bonding



Product Features

- Offers both timer and manual control mode
- Provides repeatable dose within +/- 0.005gm (tested with low viscous materials).
- Minimum dispensing shot size 0.02gm.
- Programmable up to 50 in numbers.
- Sensor for part detection (optional)
- Settings are password protected
- 4.3" user-friendly digital display
- Height Adjustment Bench top stand.
- Large foot pedal

Technical Data

Model Number	ADoST SDS-PRO
Power Supply	Min:100 VAC, Nominal:230 VAC, Max 275VAC
Size (Metric)	450mmx300mmx950mm
Weight	20 Kg
Operating Air Pressure	3 Bar (Max.)
Ambient temperature range	10°C to +45°C
Response time	0.02s
Usage	Indoor use
Minimum Dispense Size	0.020gm (Medium Viscosity)
Accuracy	+/-0.006gm (Medium viscous material, low dispensing volume) +/-0.02gm (Medium viscous material, high dispensing volume)
Recommended for	Single component Adhesive

System Includes

- SDS-PRO Machine
- Pneumatic gun
- Foot Switch
- 8, 10 and 12mm hose connectors
- 6mm pneumatic pipe of ½ meter
- Emergency Switch
- Operation manual (only soft copy)
- Mounting Plate

Accessories (Separate Purchase)

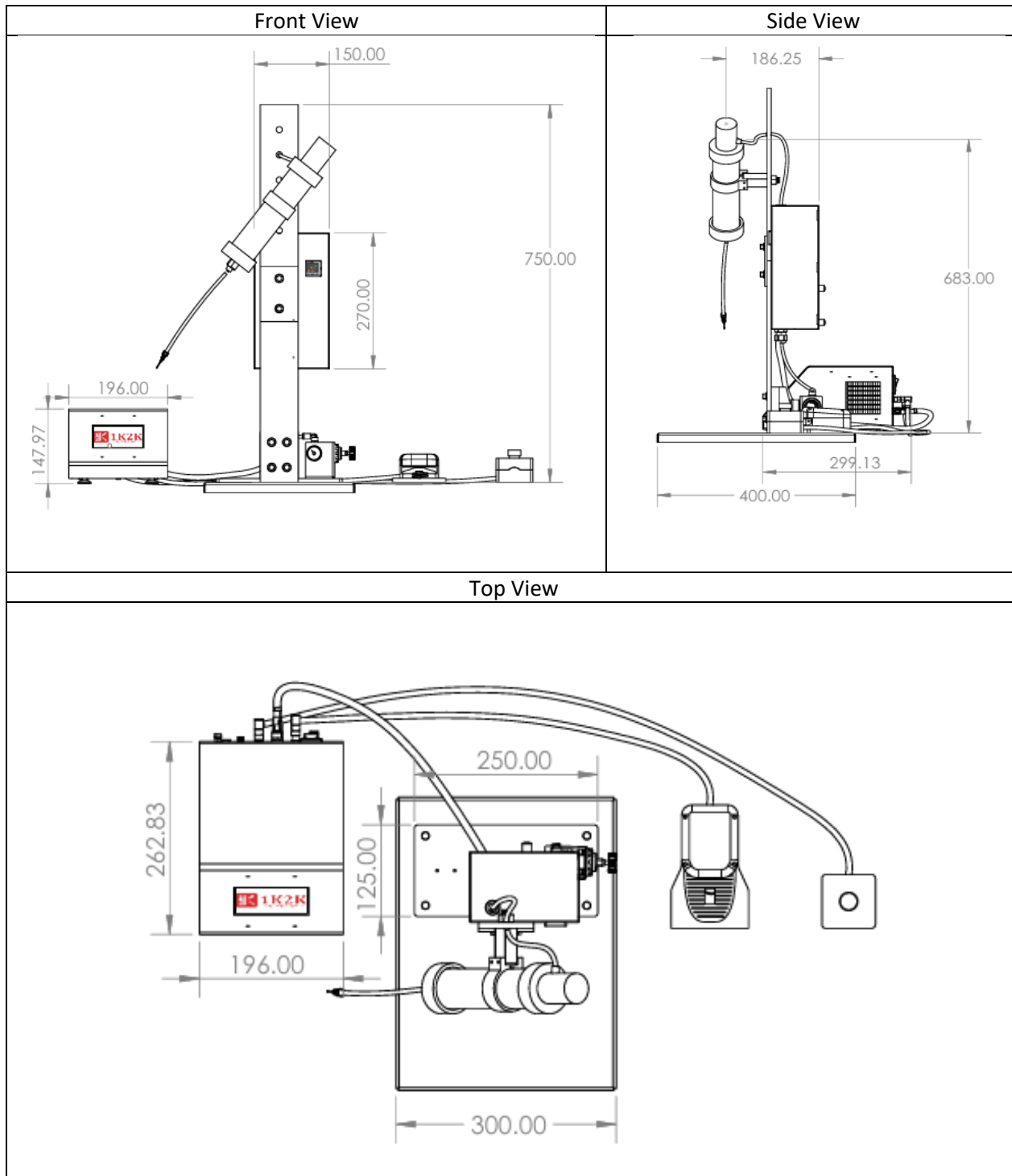
- Pen
- Pen Stand
- Pinch Valve Stand
- ADoST Tube adaptor
- Sensor with connector (Application specific)
- Sensor holder (Application specific)
- Pinch Valve

Consumables (Separate Purchase)

- Pinch Tube
- Nozzle
- ADoST Nozzle adaptor

Detailed Dimensions

All dimensions are in mm





Warranty

ADoST SDS-PRO is guaranteed against any defects in workmanship and material for a period of one year from the date of supply.

Customization

All ADoST dispensing equipment are designed to be flexible and specific customization may be possible against customer requests at added cost. However, only ADoST's R&D team is authorized to issue written confirmation/acceptance of any customization.

Disclaimer

1K2K Dosing and Dispensing Private Limited believes the technical advice provided by the company and the information contained herein is reliable and accurate. However, 1K2K Dosing and Dispensing Private Limited makes no warranties, expressed or implied nor should be inferred regarding the accuracy of the information. The user is responsible to competently test the product and determine the quality and suitability for their intended use. 1K2K Dosing and Dispensing Private Limited assumes no liability regarding the handling and use of this product