



MODEL- PS-3002D

#### TECHNICAL SPECIFICATIONS

Output Voltage (Channel 1 & 2) : 0-30.0 Volt

Output Current (Channel 1 & 2) : 0-2.00 Ampere

Metering : 7 segment LED 3 Digit DPM Green/ Red.

Meter Accuracy :  $\pm 3$  counts.

#### CONSTANT VOLTAGE MODE (Channel 1 & 2)

Line Regulation :  $\pm 0.1\% \pm 2\text{mV}$  for  $\pm 10\%$  change in line output.

Load Regulation :  $\pm 0.1\% \pm 2\text{mV}$  for load change from zero to full load.

Ripple & Noise :  $< 0.01\%$  rms

#### CONSTANT CURRENT MODE (Channel 1 & 2)

Line Regulation :  $\pm 0.1\% \pm 500\mu\text{A}$  for  $\pm 10\%$  line change.

Load Regulation :  $\pm 0.1\% \pm 500\mu\text{A}$  for change in output voltage from 0 - to maximum

Ripple & Noise : 0.05% rms.

Mode of Indication CV : GREEN LED indication for Constant Voltage (CV) operating mode.

Mode of Indication CC : RED LED indication for Constant Current (CC) operating mode

Output Polarity : Floating with respect to ground.

Overload Protection : Automatic

Short Circuit Protection : Automatic

Over temperature Protection : Automatic Cut off and Resume

#### STABILITY\* (Channel 1 & 2)

Total drift in CV mode :  $< \pm 0.2\% + 5\text{mV}$  (within 8 hours after warm-up)

Total drift in CC mode :  $< \pm 0.5\% + 5\text{mA}$  (within 8 hours after warm-up)

Operating Temperature :  $0-50^\circ\text{C} \pm 10\%$ .

Line Voltage : 230V AC  $\pm 10\%$  50Hz, single phase

Dimensions\*\* : 156.0mm(H) 306.0mm(W) 300.0mm(D) Weight : 8.0kg(Approx.)

Note: Sai Systems reserves the right to specifications and are subject to change without notice. \*With constant line, load and ambient temperature conditions. \*\* All dimensions are behind the panel 4 excluding legs

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