



MODEL- MCPS-3002

MULTIPLE METERING OF VOLTAGE, CURRENT, POWER & LOAD RESISTANCE

TECHNICAL SPECIFICATIONS

Output Voltage	: 0-30.0 Volt
Output Current	: 0-2.00 Ampere
Metering	: 16X2 Dotmatrix LCD, Displays Voltage, Current, Watt & Resistance
Meter Accuracy	: ± 3 counts.
PC Connectivity (Optional)	: Through Parallel Port

CONSTANT VOLTAGE MODE

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

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 (Optional)

STABILITY*

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**	: 150.0mm(H) 170.0mm(W) 325.0mm(D) Weight : 6.0kg(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