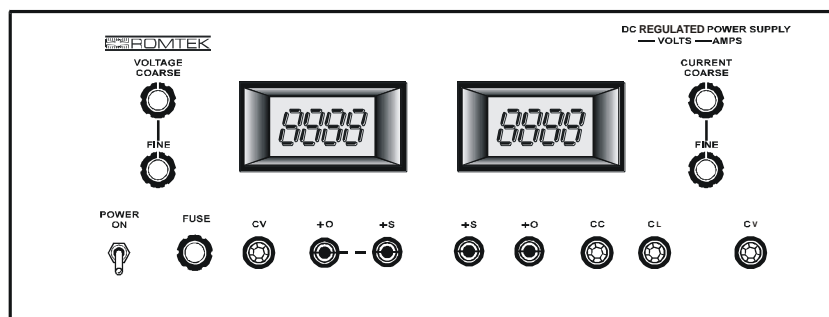


## ROMTEK DC REGULATED POWER SUPPLY MODEL LS 1002A



### **DESCRIPTION:**

Romtek Model LS 1002A Power supply is a general purpose bench type Power Supply siving 0 to 100V. The Power Supply is made in a very compact and elegant cabinet measuring 17.50" (W) × 5" (H) × 9" (D). It features very high performance by way of excellent built in protection against overload and short circuit. The output of the Power Supply is read on a rectangular Voltmeter and Ammeter. Indicators are provided to show whether operating in CV/CL mode. Coarse and fine controls are provided for varying the output voltage is available. The Power Supply is designed with reliability as the top most consideration and is ready to operate from 0 to 40°C, upto 95% Relative Humidity and around the clock.

**SPECIFICATIONS:**

OUTPUT	0 To 100V, 2A DC Constant Voltage Mode
Line Regulation (for $\pm$ change in line)	.05% + 100mV
Load Regulation (for no load to full load)	.05% + 100mV
Ripple (RMS)	300mV
Metering	One Voltmeter And One Ammeter. 3 1/2 Digits, LED Or LCD As Per Customer Choice
Meter Accuracy	0.1%
Current Limiting	Model LS 1002A has normal current limiting features. That means in the event of overload the output current stays limited and does not exceed ratings of the Power Supply.
Protection	Protected against over load and short circuits
Remote Sensing	Remote sensing feature is given to permit regulation at the load end rather than at the power supply end. This feature can take care of upto 0.5V drop per power lead.
Controls & Indicators	MCB, Neon Indicators, Fuse, coarse controls for voltage output terminal, remote sensing terminals and zero adjustments for meters. Control for voltage is multiturn. LED's to indicate whether operating in CV or CC mode.
Transient Recovery Time	Better than 20millisec.
Transient Behaviour	There is no overshoot on turn on, turn off and power removal.
Stability	0.2% + 300mV (after 30 minutes warmup) for 6 hours.
Setting Resolution	Setting resolution for Voltage- is 0.5V
Input Voltage	230V $\pm$ 10%, 50Hz, Single Phase AC.
Output Impedance	Better than 100mohms.
Tempco	(0.05% + 100 mV)
Mechanical	17.5" (w) $\times$ 5" (h) $\times$ 9" (d)

**India Office:**

Post Office Box No.1583  
2776, Kashmere Gate  
Delhi – 110006  
India

**Bhushan & Bhushan**

(Romtek is brand of Bhushan & Bhushan)  
Estd. in 1969  
USA Office.  
Phone : 1-303-682-9296

**Contact Information:**

Web: [www.romtekonline.com](http://www.romtekonline.com)  
Email: [sales@romtekonline.com](mailto:sales@romtekonline.com)  
Phone: 91-11-26384723  
Fax: 91-11-26384722