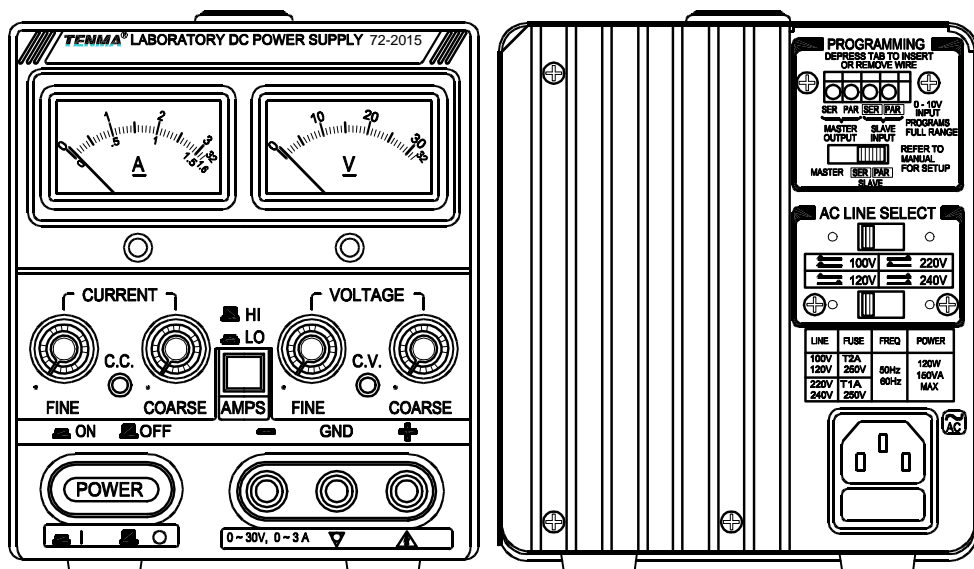


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REVISIONS			DOC. NO. SPC-F005 * Effective: 12/21/98 * DCP No: 680					
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
430	A	RELEASED	JWM	1/15/02	HO	1/30/02	DJC	1/30/02



**FEATURES:**

- Max. rating 60V, 1A
- Fine and coarse adjustments for accurate voltage and current settings
- Constant voltage and constant current operations
- HI/LO current range selector
- Series or parallel operation
- Overload and reverse polarity protection
- Power Requirements: 100V, 120V, 220V, 240VAC ( $\pm 10\%$ ), 50/60Hz (Selectable)
- Includes test leads and owner's manual
- One year limited warranty
- Dimensions: 128(W)mm x 145(H)mm x 285(D) mm
- Weight: 4.0 kg



**WARNING:** Voltages more than 60VDC are a lethal shock hazard to the user. Be careful when connecting power supplies in series to achieve voltages higher than 60VDC total or 60VDC between any connection and earth ground.

<small>DISCLAIMER: ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.</small>					
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.			DRAWN BY: Jeff McVicker		DATE: 1/15/02
			CHECKED BY: Hisham Odish		DATE: 1/30/02
			DRAWING TITLE: LABORATORY DC POWER SUPPLY		
			SIZE: A	DWG. NO.: 72-2015	ELECTRONIC FILE: 66F3560.dwg
			SCALE: NTS	U.O.M.: INCHES [mm]	SHEET: 1 OF 2
			APPROVED BY: DANIEL CAREY		DATE: 1/30/02

SPC-F005.DWG

## **SPECIFICATIONS:**

### **Constant Voltage Operation**

Output voltage range: 0 to 60 VDC continuously adjustable

Voltage Regulation:

Line regulation:  $\leq 0.01\% + 3\text{mV}$

Load regulation:  $\leq 0.01\% + 3\text{mV}$  (rating current  $\leq 3\text{A}$ )

Load regulation:  $\leq 0.01\% + 5\text{mV}$  (rating current  $> 3\text{A}$ )

Recovery Time:  $\leq 100\mu\text{s}$  (50% load change, minimum load 0.5A)

Ripple & Noise:  $\leq 0.5\text{mVrms}$  (5Hz~1MHz) (rating current  $\leq 3\text{A}$ )

$\leq 1.0\text{mVrms}$  (5Hz ~ 1MHz) (rating current  $> 3\text{A}$ )

Temp. Coefficient:  $\leq 300\text{PPM}/^\circ\text{C}$

### **Constant Current Operation**

Output current range: 0 to 1A continuously adjustable

Current regulation:

Line regulation:  $\leq 0.2\% + 3\text{mA}$

Load regulation:  $\leq 0.2\% + 3\text{mA}$

Ripple and Noise:  $\leq 3\text{mArms}$

### **Display**

Analog - 1 each Voltmeter and Ammeter

Class: 2.5

Size: 50mm x 50mm

### **Insulation:**

Between chassis and output terminal

20 Megohm or above (DC500V)

Between chassis and AC cord

30 Megohm or above (DC500V)

### **Environmental**

Indoor Use

Altitude up to 2000m

Installation Category II

Pollution degree 2

Operating Temp. & Humidity:  $0^\circ\text{C} \sim 40^\circ\text{C}$ ,  $< 80\%$

Storage Temp. & Humidity:  $-10^\circ\text{C} \sim 70^\circ\text{C}$ ,  $< 70\%$

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	72-2015	66F3560.dwg	A
SCALE:	NTS	U.O.M.: INCHES [mm]	SHEET: 2 OF 2