



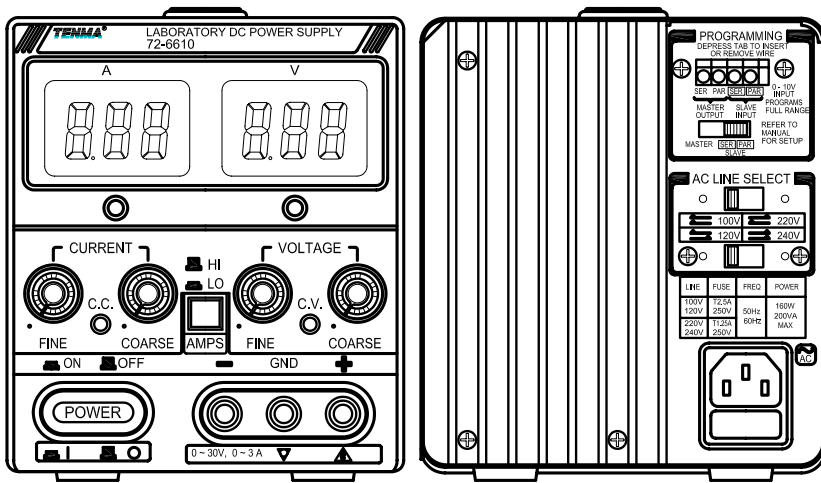
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SPC-F005.DWG

REVISIONS

DOC. NO. SPC-F005 • Effective: 7/8/02 • DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
430	A	RELEASED	JWM	5/1/02	HO	5/1/02	JC	5/1/02
1754	B	CE added	JWM	04/19/05	HO	4/19/05	HO	4/19/05



FEATURES:

- Max. rating 30V, 3A
- 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
- Low ripple and noise
- Overload and reverse polarity protection
- Power Requirements: 100V, 120V, 220V, 240VAC, 50/60Hz (Selectable)
- Includes test leads and owner's manual
- One year limited warranty
- Dimensions: 128(W) x 145(H) x 285(D) mm
- Weight: 5kg



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.

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.

TOLERANCES:
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Jeff McVicker	5/1/02
CHECKED BY:	DATE:
Hisham Odish	5/1/02
APPROVED BY:	DATE:
John cole	5/1/02

DRAWING TITLE: Dual Digital Laboratory DC Power Supply			
SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	72-6610	50N1371.DWG	B
SCALE: NTS	U.O.M.: Millimeters	SHEET: 1 OF 2	

SPECIFICATIONS:

Constant Voltage Operation

Output voltage range: 0 to 30 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 3A 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

- 3 1/2 digits .39" Red and Green LED display

- Accuracy: $\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$

Voltage range:

19.99V of full scale (rating voltage $\leq 18\text{V}$)

199.9V of full scale (rating voltage $\geq 20\text{V}$)

Current range:

1.999A of full scale (rating current $< 2\text{A}$)

19.99A of full scale (rating current $\geq 2\text{A}$)

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: $-10^\circ\text{C} \sim 70^\circ\text{C}$, $< 70\%$

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SIZE DWG. NO.

A

72-6610

ELECTRONIC FILE

50N1371.dwg

REV

B

SPC-F005.DWG

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

SCALE: NTS

U.O.M.: Millimeters

SHEET: 2 OF 2