



REVISIONS

DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1453	A	Released	JWM	10/16/03	HO	11/24/03	JC	11/26/03
1740	B	USB added	JWM	6/2/05	HO	6/2/05	HO	6/2/05



Features:

- Nine user programmable preset output
- One 10 sequence memory for programmed (manual or timed) outputs and test routines
- Stable output with low Ripple & Noise
- Excellent Line and Load regulation
- OVP Output Overvoltage Protection
- Constant Current and Constant Voltage display with auto-cross over
- Short circuit and Overload protection
- 3 digit LED displays of Voltmeter and Ammeter
- User recalibration possible with opening the case
- Built-in USB PC interface
- Supplied with software (Windows™) for remote presets, timed sequence and data logging

Specifications:

- Output Voltage Range: 0 ~ 30VDC
- Maximum Output Voltage: 29.90(Min) ~ 30.10V(Max)
- Minimum Output Voltage: -5(Min) ~ 25(Max) millivolts
- Voltage Step Error: ±100 millivolts
- Voltage Regulation**
- Load (0~100% load): 4 millivolts
- Line (±10% Variation): 3 millivolts
- Ripple & Noise: 3mVp-p
- Output Current Range: 0 ~ 3 Amps
- Maximum Output Current: 3.00(Min) ~ 3.02(Max) Amps
- Minimum Output Current: 0(Min) ~ 10(Max) milliamps
- Current Step Error: ±10 milliamps
- Current Regulation**
- Load (0~100% load): 4 milliamps
- Line (±10 variation): 2 milliamps
- No Load Input Current: 110 milliamps
- Full Load Input Current: 1.00 Amp
- Withstanding Test (60 sec. 1 milliamp): 1500V Input V.S. Output, Input V.S. Housing
- Insulation Resistance (500VDC): 100 megohms Input V.S. Output, Input V.S. Housing
- Fuse: 2 Amps
- Voltmeter Accuracy: ±0.2% + 2 digits
- Ammeter Accuracy: ±0.2% + 2 digits
- Rated Load: 30V, 3A
- Dimensions (WxHxD): 205mm x 116mm x 275mm
- Weight: 5 KG
- Power Requirements: 100 VAC @ 60Hz

SPC-F004.DWG

TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	DRAWN BY:	DATE:	DRAWING TITLE:			
	Jeff McVicker	10/16/03	Power Supply, DC, Regulated and Programmable			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	Hisham Odish	11/24/03	A	72-6630	50N1383.dwg	B
APPROVED BY:	DATE:	SCALE:		U.O.M.: INCHES [mm]		SHEET: 1 OF 1
John Cole	11/26/03	NTS				

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