



Scientech 4074 Multiple Outputs DC Power Supply is designed as a Constant Current (CC) and Constant Voltage (CV) source for use in laboratories, industries and field testing. With compact size, light weight and low power loss, it provides DC output voltages for Analog and Digital testing.

The DC output 0-30 V and 0 ±15 V dual tracking can be adjusted, with coarse and fine controls. DC output 5 V can be adjusted between 4.8 V - 6 V. Current limit is adjustable from 0-1A. Over loading is indicated by LED. After crossing the specified limit a audible beep will sound.

A 3-digit display for voltage and 3 ½ digit display for current is provided to read the values. These two parameters are can be switched to display either voltage or current.

Scientech 4074 has low ripple and excellent line and load regulation and is provided with protective circuits to ensure trouble free operation.

Features

- Three floating, independent DC supply voltages
- DC outputs 0 - 30 V, 0 ± 15 V (dual tracking) and 5 V, 1 A each
- Constant Voltage and Constant Current operation
- Digital display for voltage and current
- Selectable Display for Voltage & Current
- Adjustable current limiter
- Excellent line & Load Regulation
- Low Ripple

Technical Specifications

DC Output	:	A : 0-30V, 1A continuously variable by means of Coarse & Fine controls B : 5V, 1A Adjustable from 4V - 6V C : 0- ±15V, 1A adjustable by means of Coarse & Fine controls
Current Limit	:	20 mA - 1A, Adjustable
Resolution	:	Voltage : 100 mV Current : 10 mA
Internal Resistance	:	≤15mΩ
Stability	:	2.5 mV at (30 V/1 A, 5 V/1 A & ± 15 V / 1A)
Recovery Time	:	≤80 μs
Load Regulation	:	±(0.05%+10 mV)
Line Regulation	:	±(0.05%+10 mV)
Temperature Coefficient	:	±(0.05%+5 mV /°C)
Ripple & Noise	:	≤1 mVrms
Display	:	3 digit for voltage and 3½ digit for current, LED indication for Voltage and Current
Accuracy	:	±(1%+1 digit)
Tracking Error	:	±(0.1%+5 mV)
Over Range Indication	:	Glowing 'ORA', 'ORB', 'ORC+' or 'ORC-' LEDs indicate Overload

General Information

All outputs are floating. Outputs are switchable from the front panel Built-in overheat, Over voltage & Short Circuit protections.

Insulation

Between Chassis & output terminals >10 MΩ at 100 V DC

Between Chassis & AC plug >50 MΩ at 500 V DC

Power Supply	:	230V, ±10%, 50/60 Hz
Operating Temperature	:	0-40°C, 80% RH
Dimension (mm)	:	W 285 × D 410 × H 88
Weight	:	5.2 Kg approximately
Product Tutorial	:	Online www.ScientechLearning.com

Included Accessories

Mains cord	:	1 no.
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