



Scientech 4079 0-30V / 3A Dual 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 can be adjusted from 0 - 30 V with coarse and fine controls. Current limit is adjustable from 0 - 3A. Over loading is indicated by LED.

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

Scientech 4079 has excellent line and load regulation and is provided with protective circuits to ensure trouble free operation.

Features

- **Pre-Regulator based design**
- **Floating DC Supply voltages**
- **Dual DC : 2 x 0 - 30V / 3 A**
- **Automatic Overload Current Protection**
- **Constant Voltage & Constant Current Operation**
- **Digital Display for Voltage and Current**
- **Adjustable Current Limiter**
- **Excellent Line & Load Regulation**
- **Low Ripple Voltage**

Technical Specifications

DC Output	: 2 × 0 - 30 V, 3 A continuously variable by means of Coarse and Fine controls
Current limit	: 100 mA - 3 A Continuously adjustable between 0 - 30 V for A & B
Resolution	: Voltage : 100 mV Current : 10 mA
Internal Resistance	: $\leq 15 \text{ m}\Omega$
Stability	: 2.5 mV at 30 V / 2 A
Recovery Time	: $\leq 50 \mu\text{s}$
Load Regulation	: $\pm (0.05 \% + 10 \text{ mV})$
Line Regulation	: $\pm (0.05\% + 10 \text{ mV})$
Temperature Coefficient	: $\pm (0.05 \% + 5 \text{ mV} / ^\circ\text{C})$
Ripple & Noise	: $\leq 1\text{mVrms}$
Display	: 3 digit for Voltage & 3 digit for Current LED indication for Voltage & Current
Accuracy	: $\pm (1 \% + 1 \text{ digit})$
Over Range Indication	: Glowing 'ORA' and 'ORB' LEDs indicate Overload

General Information

Both outputs are floating.

Built-in Overheat, Over Voltage and Short Circuit protection.

Insulation

Between chassis & output terminals $> 10 \text{ M}\Omega$ at 100 V DC

Between chassis & AC plug $> 50 \text{ M}\Omega$ at 500 V DC

Power Supply : 230 V, $\pm 10 \%$, 50 / 60 Hz

Operating Temperature : 0 - 40°C, 80 % RH

Dimension (mm) : W 285 × D 410 × H 88

Weight : 5 Kg approximately

Product Tutorial : Online www.ScientechLearning.com

Included Accessories

Mains cord : 1 no.