



**Sciencetech 4073 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 low power loss, it provides DC output voltages for Analog and Digital testing.

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

Sciencetech 4073 has excellent line and load regulation and is provided with protective circuits to ensure trouble free operation.

### Features

- Pre-Regulator based design
- DC 0 - 30V / 2A
- Floating Output
- Selectable display for Voltage & Current
- Low Ripple Voltage
- Excellent Line and Load Regulation
- Large Display

### Technical Specifications

DC Output	: 0 - 30 V, 2A
Current Limit	: 0 - 2A
Setting Resolution	: Voltage : 100 mV Current : 10 mA
Internal Resistance	: $\leq 10 \text{ m}\Omega$
Stability	: $\leq 2.5 \text{ mV}$ at 30 V / 2A
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	: $\leq 1 \text{ mV}_{\text{rms}}$
Display	: 3 digit 7-segment LED indicator for Voltage and Current
Accuracy	: $\pm (1\% + 1 \text{ digit})$
Over Range Indication	: Glowing 'CC' LED indicates Overload

### General Information

Output is floating and is switchable from the front panel.

Built-in overheat, over voltage, overload and short circuit protection.

Insulation : Between chasis & output terminals  $>10 \text{ M}\Omega$  at 500 V DC  
Between chasis & 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 198 × D 278 × H 90

Weight : 4 Kg approximately

**Included Accessories** : Mains cord, Product Tutorial CD-1 no