



Sciencetech 4075 DC Dual 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.

A special automatic overload (current) protection circuit limits the maximum current to 2 A. Two displays (one 3-digit display for voltage & other 3-digit for current) are used to read the values. These two can be switched simultaneously for either of the DC outputs.

Sciencetech 4075 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 - 30 V / 2 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, 2 A continuously variable by means of coarse and fine controls
Current limit	:	100 mA - 2 A continuously adjustable
Resolution	:	Voltage : 100 mV Current : 10 mA
Internal Resistance	:	≤15 mΩ
Stability	:	2.5 mV at 30V/2A
Recovery Time	:	≤50 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 & 3 digit for current LED indication for Voltage & Current
Accuracy	:	±(1% + 1 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 MΩ at 100 V DC

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

Power Supply	:	230 V, ±10%, 50 / 60 Hz
Operating Temperature	:	0 - 40°C, 80% RH
Dimension (mm)	:	W 285 × D 410 × H 88
Weight	:	4.75 Kg approximately
Product Tutorial	:	Online www.SciencetechLearning.com

Included Accessories

Mains cord	:	1 no.
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