



Sciencetech 4075P Programmable Dual DC Power Supply is a versatile instrument with facility to interface with PC through USB. The front panel with keypad and cursor, makes it user friendly.

It can be set to be used as a Constant Voltage and Constant Current source. With low ripple and excellent Line and Load regulation, Sciencetech 4075P is fully protected against over load, over voltage, over current, over heat and short circuit.

Features

- Dual DC 0-30 V; 0-2 Amp.
- Color LCD screen for voltage and current.
- Step increment for voltage.
- Keypad, cursor and encoder for setting.
- Constant voltage source and constant current source.
- Connectivity with PC.

Technical Specifications

DC output	:2 X 0 - 30V, 2A
Resolution	:Voltage: 100mV Current: 10mA
Internal resistance	: $\leq 10\text{m}\Omega$
Stability	:2.5 mV at 30V/2A
Recovery time	: $\leq 50\mu\text{s}$
Load regulation	: $\pm(0.05\% + 10\text{ mV})$ for 0 - 30V (A & B)
Line regulation	: $\pm(0.05\% + 10\text{ mV})$ for 0 - 30V (A & B)
Temperature coefficient	: $(0.05\% + 5\text{ mV}/^\circ\text{C})$
Ripple & noise	: $\leq 1\text{mVrms}$
LCD display	:Color LCD Screen with backlit for voltage and current
Display accuracy	: $(1\% + 1\text{ digit})$
LED indication	:Glowing LED for respective O/P on or off
Interface	:USB
Protective modes	:Over load, over voltage, over current, over heat and short circuit.
Insulation	:Between chassis & output terminals > 10 M Ω at 500 V Between chassis & AC plug >50 M Ω at 500 V DC

General

Power Supply	:230V, 10 %, 50Hz
Operating temp.	:0-40°C, 80 % RH
Dimension (mm)	:W 285 X D 410 X H 88
Weight	:6 Kg (approximately)

Package contains

Mains cord	:1no
USB cable	:1no
CD (software)	:1no