

New



Sciencetech 4180A 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 – 40V with coarse and fine controls. Current limit is adjustable from 100 mA to 5A. 3-digit display for voltage and current is provided to read the values. Sciencetech 4180A has excellent line and load regulation and is provided with protective circuits to ensure trouble free operation.

Features

- DC outputs : 2 x 0–40 V / 5A.
- Floating output.
- Constant voltage and constant current operation.
- Adjustable current limiter.
- Low ripple voltage.
- Excellent line and load regulation.
- Large display.



Technical Specifications

DC Output	:	2 x 0 – 40V, 5A continuously variable by means of Coarse and Fine controls.
Current Limit	:	100 mA to 5A, continuously adjustable.
Setting Resolution	:	Voltage : 100 mV. Current : 10 mA.
Internal Resistance	:	$\leq 10 \text{ m}\Omega$.
Stability	:	2.5 mV at 40 V / 5A.
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	:	$\leq 5 \text{ mVrms}$.
Display	:	3 digit for voltage & 3 digit for current.
Accuracy	:	$\pm (1\% + 1 \text{ digit})$.

General Information

Built-in overheat, over voltage, overload and short circuit protection. All outputs are floating.

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 303 × D 330 × H 180.
Weight	:	10 kg approximately.
Product Tutorial	:	Online on www.ScientechWorld.com

Included Accessories

Mains cord	:	1 no.
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