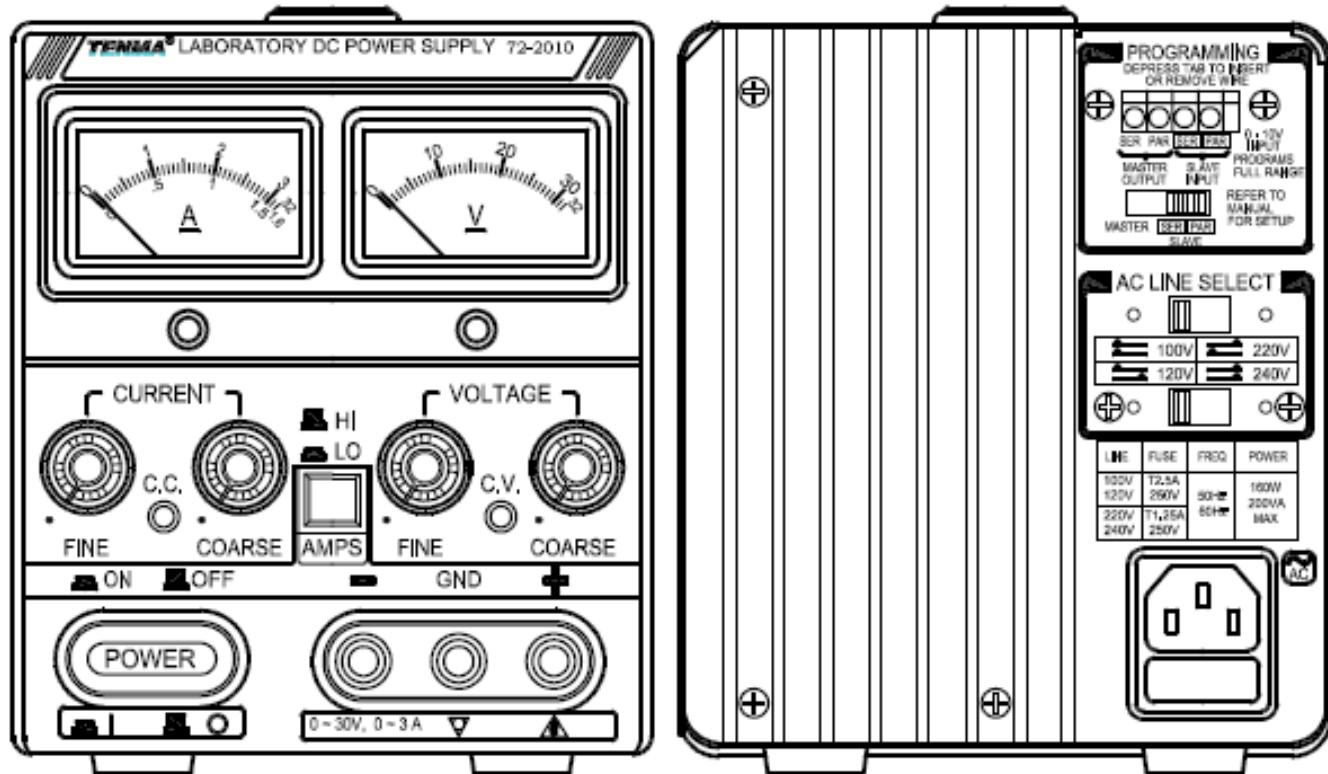


Laboratory DC Power Supply

TENMA™



Features:

- Maximum rating 30 V, 3 A.
- Fine and coarse adjustments for accurate voltage and current settings.
- Constant voltage and constant current operations.
- HI / LO current range selector.
- Series or parallel operation.
- Low ripple and noise.
- Overload and reverse polarity protection.
- Power requirements : 100 V, 120 V, 220 V, 240 V ac, 50/60Hz (selectable).
- Includes test leads and owner's manual.
- One year limited warranty.
- Dimensions : 128 (W) x 145 (H) x 285 (D) mm.
- Weight : 5 kg.

⚠ Warning :

Voltages more than 60 V dc are a lethal shock hazard to the user. Be Careful when connecting power supplies in series to achieve voltages higher than 60 V dc total or 60 V dc between any connection and earth ground.

www.element14.com
www.farnell.com
www.newark.com
www.cpc.co.uk
www.mcmelectronics.com

TENMA™

Laboratory DC Power Supply



Specifications :

Constant Voltage Operation:

Output voltage range : 0 to 30 V dc continuously adjustable

Voltage regulation:

Line regulation	: $\leq 0.01\% + 3 \text{ mV}$
Load regulation	: $\leq 0.01\% + 3 \text{ mV}$ (rating current $\leq 3 \text{ A}$)
Load regulation	: $\leq 0.01\% + 5 \text{ mV}$ (rating current $> 3 \text{ A}$)
Recovery time	: $\leq 100 \mu\text{s}$ (50% load change, minimum load 0.5 A)
Ripple and noise	: $\leq 0.5 \text{ mV rms}$ (5 Hz to 1 MHz) (rating current $\leq 3 \text{ A}$) : $\leq 1 \text{ mV rms}$ (5 Hz to 1 MHz) (rating current $> 3 \text{ A}$)
Temperature coefficient	: $\leq 300 \text{ PPM/}^\circ\text{C}$

Constant Current Operation:

Output current range	: 0 to 3 A continuously adjustable
Current regulation	: Line regulation : $\leq 0.2\% + 3 \text{ mA}$
Load regulation	: $\leq 0.2\% + 3 \text{ mA}$
Ripple and noise	: $\leq 3 \text{ mA rms}$

Display:

Analog - 1 each voltmeter and ammeter	
Class	: 2.5
Size	: $50 \times 50 \text{ mm}$

Insulation:

Between chassis and output terminal	
20 megaohms or above (500 V dc)	
Between chassis and AC cord	
30 megaohms or above (500 V dc)	

Environmental:

Indoor use	
Altitude up to 2,000 m	
Installation category II	
Pollution degree 2	
Operating temperature and humidity	: 0°C to 40°C , $< 80\%$
Storage temperature and humidity	: 10°C to 70°C , $< 70\%$

Part Number Table

Description	Part Number
Laboratory DC Power Supply	72-2010 CALIBRATED

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