

# Digital Power Supply

## Dual Output



### Features:

- Quad Independent DC Output
- Four LED Display with 3 digits, selectable for two sets output voltage and current display simultaneously
- Auto series, parallel and tracking operation
- Constant voltage and constant current operation
- Low ripple and noise
- Overload and reverse polarity protection
- Selectable for continuous / dynamic load
- Output enable / disable control
- Rotation speed of the fan is controlled by heatsink temperature
- Output voltage and current setting when output disabled (except 72-7245)

### Specifications:

#### Output (CH1, CH2)

Voltage : 0 to 30 V  
Current : 0 to 3 A  
Tracking Series Voltage : 0 to 60 V  
Tracking Parallel Current : 0 to 6 A

#### Constant Voltage Operation (CH1, CH2)

Line Regulation :  $\leq 0.01\% + 3 \text{ mV}$   
Load Regulation :  $\leq 0.01\% + 3 \text{ mV}$  (rating current  $\leq 3 \text{ A}$ )  
 $\leq 0.02\% + 5 \text{ mV}$  (rating current  $> 3 \text{ A}$ )  
Ripple and Noise :  $\leq 1 \text{ mVrms}$  5 Hz to 1 MHz  
Recovery Time :  $\leq 100 \mu\text{s}$  (50% load change, minimum load 0.5 A)

#### Constant Current Operation (CH1, CH2)

Line Regulation :  $\leq 0.2\% + 3 \text{ mA}$   
Load Regulation :  $\leq 0.2\% + 3 \text{ mA}$   
Ripple and Noise :  $\leq 3 \text{ mArms}$

#### Tracking Operation (CH1, CH2)

Tracking Error :  $\leq 0.5\% + 10 \text{ mV}$  of the master  
Series Regulation :  $\leq 300 \text{ mV}$   
Load Regulation :  $\leq 0.01\% + 3 \text{ mV}$   
Ripple and Noise :  $\leq 2 \text{ mVrms}$  5 Hz to 1 MHz

#### Meter

3 digits 0.5 inches LED display  
Accuracy :  $\pm(0.5\% \text{ rdg} + 2 \text{ digits})$

#### Insulation

Chassis and Terminal :  $\geq \text{DC } 500 \text{ V} / 20 \text{ M}\Omega$   
Chassis and AC Cord :  $\geq \text{DC } 500 \text{ V} / 30 \text{ M}\Omega$

#### Power Source

AC 100 V / 120 V / 220 V  $\pm 10\%$ , 230 V  $\pm 10\%$  to  $-6\%$ , 50 / 60 Hz

#### Dimensions and Weight

255 mm (W)  $\times$  145 mm (H)  $\times$  265 mm (D), approximately 7 kg

#### Accessories

Instruction manual, power cord, and test lead

### Part Number Table

| Description          | Part Number |
|----------------------|-------------|
| PSU, Bench, 2 Output | 72-7245     |

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