

# Bench Power Supply

## Programmable, 30V, 5A, 1CH, USB, RS232



### Features:

- Input voltage : 230V
- Complete digital control
- Industrial grade, with load for a long time
- Encoder-controlled fine & coarse adjustment
- Intelligent temperature-controlled fan
- Compact design
- Constant current & constant voltage
- Current preset
- 4-digit display
- 10mV / 1mA high accuracy and resolution
- Low noise and ripple
- Knob Lock function to avoid improper operation
- Interfaces : USB and RS232

### Specifications:

|                                   |  |
|-----------------------------------|--|
| Voltage Range / Current Range     | 0-30V / 0-5A   |
| Load Regulation                   | Voltage : $\leq 0.01\%$ +2mV / Current : $\leq 0.1\%$ +5mA   |
| Line Regulation                   | Voltage : $\leq 0.01\%$ +3mV / Current : $\leq 0.1\%$ +3mA   |
| Setup Resolution                  | Voltage : 10mV / Current : 1mA   |
| Setting accuracy (25°C $\pm$ 5°C) | Voltage : $\leq 0.5\%$ +20mV / Current : $\leq 0.5\%$ +10mA  |
| Ripple (20hz - 20M)               | Voltage : $\leq 2\text{mVrms}$ / Current : $\leq 3\text{mArms}$  |
| Temperature Coefficient           | Voltage : $\leq 150\text{ppm}$ / Current : $\leq 150\text{ppm}$  |
| Read Back Accuracy                | Voltage : 10mV / Current : 1mA   |
| Read Back Temperature Coefficient | Voltage : $\leq 150\text{ppm}$ / Current : $\leq 150\text{ppm}$  |
| Reaction Time (10% Rated load)    | Voltage : $\leq 100\text{mS}$ / Current : $\leq 100\text{mS}$  |
| Operation Environment             | Indoor use<br>Altitude : $\leq 2,000\text{m}$<br>Ambient temperature 0 ~ 40°C<br>Relative humidity $\leq 80\%$ |
| Interfaces                        | USB, RS232   |
| Accessories                       | User manual, Power cord (1.2M), USB cable, software CD   |
| Weight and Dimension              | 4.82kg / 110mm(W) $\times$ 156mm(H) $\times$ 260mm(D)  |
| Storage Environment               | Ambient temperature -10°C to +70°C<br>Relative humidity : $\leq 70\%$  |

### Part Number Table

| Description  | Part Number |
|--|-------------|
| Bench Power Supply, Programmable, 30V, 5A, 1CH, USB, RS232 | 72-2710     |

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