

# Encoder Control DC Power Supply

## Single Channel, 0-30V, 0-10A



### Features:

- Complete digital control / programmable
- 10mV / 1mA resolution
- Low noise and ripple
- CV / CC constant voltage and constant current modes
- Settable OCP and OVP, constant protection mode
- 5 sets of parameters can be stored and recalled
- Output switch control
- Power-off memory function
- Keyboard lock function to prevent operator errors
- Easy alternative to the traditional digital-display power supplies
- Certified by CE

**RoHS  
Compliant**

### Specifications:

|                                                |                                                                                                                 |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Voltage Range / Current Range                  | 0 - 30V / 0 - 10A                                                                                               |
| 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 $\pm 5^\circ\text{C}$ ) | Voltage : $\leq 0.5\%$ +20mV / Current : $\leq 0.5\%$ +10mA                                                     |
| Ripple (20hz - 20M)                            | Voltage : $\leq 2\text{mVrms}$ / Current : $\leq 5\text{mA}_{\text{rms}}$                                       |
| Temperature Coefficient                        | Voltage : $\leq 100\text{ppm}$ +10mV / Current : $\leq 100\text{ppm}$ +5mA                                      |
| Read Back Accuracy                             | Voltage : 10mV / Current : 1mA                                                                                  |
| Read Back Temperature Coefficient              | Voltage : $\leq 100\text{ppm}$ +10mV / Current : $\leq 100\text{ppm}$ +5mA                                      |
| 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                                     | Optional Interfaces (for programmable models only) : RS232, USB                                                 |
| Accessories                                    | User manual, Power cord (1.2m), USB cord (1.2m; for programmable models only)                                   |
| Weight and Dimension                           | 7kg / 110mm(W) $\times$ 156mm(H) $\times$ 310mm(D)                                                              |
| Storage Environment                            | Ambient temperature : -10°C to +70°C<br>Relative humidity : $\leq 70\%$                                         |

**Note:** Input Voltage : 230V

### Part Number Table

| Description                                                      | Part Number |
|------------------------------------------------------------------|-------------|
| Encoder Control DC Power Supply,<br>Single Channel, 0-30V, 0-10A | 72-2925     |

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