

# D.C. Power Supply

Patent No: 81011



## FEATURES

- \* Triple Output
- \* Auto Tracking
- \* Auto Series and Parallel Operation
- \* Constant Voltage and Constant Current Operation
- \* Low Ripple and Noise
- \* Two Digital Panel Meters
- \* Internal Select for Continuous or Dynamic Load
- \* Overload and Reverse Polarity Protection
- \* 5V, 3A Fixed Output

## GPC-6030D/3060D

### SPECIFICATIONS

|   |   |
|---|---|
| <b>OPERATION MODE</b>                       |   |
| <b>Independent</b>                          | Two independent outputs and 5V fixed output   |
| <b>Series</b>                               | Output from 0 to rating volts and 0 to rating amperes   |
| <b>Parallel</b>                             | Output from 0 to $\pm$ rating volts at rating amperes each  |
|   | Output from 0 to double rating volts at rating amperes  |
|   | Output from 0 to double rating amperes at rating volts  |
| <b>5V FIXED OUTPUT</b>                      |   |
| <b>Regulation</b>                           | Line regulation $\leq 5\text{mV}$<br>Load regulation $\leq 10\text{mV}$   |
| <b>Ripple &amp; Noise</b>                   | $\leq 2\text{mVrms}$  |
| <b>Voltage Accuracy</b>                     | $5\text{V} \pm 0.25\text{V}$  |
| <b>Output Current</b>                       | 3A  |
| <b>TRACKING OPERATION</b>                   |   |
| <b>Tracking Error</b>                       | $\leq 0.5\% + 10\text{mV}$ of the master  |
| <b>Series Regulation</b>                    | $\leq 300\text{mV}$   |
| <b>CONSTANT VOLTAGE OPERATION</b>           |   |
| <b>Regulation</b>                           | Line regulation $\leq 0.01\% + 3\text{mV}$<br>Load regulation $\leq 0.01\% + 5\text{mV}$ (rating current $< 10\text{A}$ )<br>$\leq 0.02\% + 5\text{mV}$ (rating current $\geq 10\text{A}$ ) |
| <b>Ripple &amp; Noise</b>                   | $\leq 1\text{mVrms}$ 5Hz ~ 1MHz   |
| <b>Recovery Time</b>                        | $\leq 100\mu\text{s}$ ( 50% Load change, Minimum load 0.5A )  |
| <b>CONSTANT CURRENT OPERATION</b>           |   |
| <b>Regulation</b>                           | Line regulation $\leq 0.2\% + 3\text{mA}$<br>Load regulation $\leq 0.2\% + 3\text{mA}$  |
| <b>Ripple Current</b>                       | $\leq 3\text{mA rms}$   |
| <b>METER</b>                                |   |
| <b>Digital</b>                              | 3 1/2 digits 0.5" LED display<br>Accuracy $\pm$ ( 0.5% of rdg + 2 digits )  |
| <b>INSULATION</b>                           |   |
| <b>Chassis and Terminal</b>                 | 100M $\Omega$ or above ( DC 1000V )   |
| <b>Chassis and AC Cord</b>                  | 100M $\Omega$ or above ( DC 1000V )   |
| <b>POWER SOURCE</b>                         |   |
| AC 100V/120V/220V/240V $\pm 10\%$ , 50/60Hz |   |

### ACCESSORIES

Instruction manual x 1 , Power cord x 1  
Test lead GTL-105 x 1 (  $\leq 3\text{A}$  ) , GTL-104 x 2 (  $\leq 10\text{A}$  )

### DIMENSIONS

255(W) x 145(H) x 420(D) mm

### ORDERING INFORMATION

|           | Model                  | Independent                            | Series  | Parallel | Weight (kg) |
|-----------|------------------------|--|---------|----------|-------------|
| GPC-6030D | 375W D.C. Power Supply | (0 ~ 60V/0 ~ 3A) x 2 , (5V/3A MAX) x 1 | 120V 3A | 60V 6A   | 18.5        |
| GPC-3060D | 375W D.C. Power Supply | (0 ~ 30V/0 ~ 6A) x 2 , (5V/3A MAX) x 1 | 60V 6A  | 30V 12A  | 18.5        |

Strumenti di Misura Nuovi e Ricondizionati



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