

Linear DC Power Supply



The GPR-M Series is a single output, 180W, linear DC power supply which featuring all the same functions as the GPR-H Series but for lower power demands. Like the GPR-H Series, the GPR-M Series is suitable for high-end precision bench top applications. Low load and line regulation for both constant voltage and constant current mode ensure reliable, predictable output. Overload and reverse polarity protection as well as internal selection for dynamic or constant load are standard.

GPR-M Series



FEATURES

- * 0.01% High Regulation
- * Constant Voltage and Constant Current Operation
- * Internal Select for Continuous or Dynamic Load
- * Low Ripple and Noise
- * Overload and Reverse Polarity protection
- * 3 1/2 Digit 0.5" LED Display

SPECIFICATIONS

CONSTANT VOLTAGE OPERATION

| | |
|----------------|---|
| Regulation | Line regulation $\leq 0.01\% + 3mV$ Load regulation $\leq 0.01\% + 5mV (<10A)$ Load regulation $\leq 0.02\% + 5mV (\geq 10A)$ |
| Ripple & Noise | $\leq 1mV_{rms}$ 5Hz ~ 1MHz |
| Recovery Time | $\leq 100\mu s$ (50% load change, minimum load 0.5A) |
| Output Range | 0 to rating voltage continuously adjustable |

CONSTANT CURRENT OPERATION

| | |
|----------------|--|
| Regulation | Line regulation $\leq 0.2\% + 3mA$ Load regulation $\leq 0.2\% + 3mA$ |
| Ripple Current | $\leq 3mA_{rms}$ |
| Output Range | 0 to rating current continuously adjustable |

METER

| | |
|---------|---|
| Digital | 3 1/2 Digits 0.5" LED display Accuracy $\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$ |
|---------|---|

INSULATION

| | |
|----------------------|--------------------------------|
| Chassis and Terminal | $20M\Omega$ or above (DC 500V) |
| Chassis and AC Cord | $30M\Omega$ or above (DC 500V) |

POWER SOURCE

AC 100V/120V/220V/240V $\pm 10\%$, 50/60Hz

DIMENSIONS

254(W) x 152(H) x 349(D) mm

ORDERING INFORMATION

| Model | | Output Volts (V) | Output Amps (A) | Weight (kg) |
|------------|----------------------|------------------|-----------------|-------------|
| GPR-1810HD | 180W DC Power Supply | 0 ~ 18 | 0 ~ 10 | 11.5 |
| GPR-3060D | 180W DC Power Supply | 0 ~ 30 | 0 ~ 6 | 11.5 |
| GPR-6030D | 180W DC Power Supply | 0 ~ 60 | 0 ~ 3 | 11.5 |

ACCESSORIES :

Power cord x 1

Test lead GTL-105A x 1 (GPR-6030D)

GTL-104A x 1 (GPR-1810HD/3060D)

OPTIONAL ACCESSORIES

GRA-401 Rack Adapter Panel (19" , 4U)