

Laboratory DC Power Supply



GPS-3030D Laboratory DC Linear Power Supply



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Product ID: GPS-3030D/ GPS-3030DD

GPS-SERIES

(DIGITAL TYPE)

GPS-3030DD (DIGITAL TYPE)

1. Light and Compact Design
2. Remote Control by External Voltage
3. 0.01% High Regulation
4. Internal Select for Continuous or Dynamic Load
5. Low Ripple and Noise
6. Series or Parallel Operation Function Overload and Reverse Polarity Protection

Specifications:

- SPECIFICATIONS:
 - o CONSTANT VOLTAGE
 - o OPERATION Regulation Line regulation $< 0.01\% + 3\text{mV}$
 - o Load regulation $< 0.01\% + 3\text{mV}$ (rating current $< 3\text{A}$)
 - o $< 0.02\% + 5\text{mV}$ (rating current $> 3\text{A}$)
 - o Ripple & Noise $< 0.5\text{mVrms}$ 5Hz ~ 1MHz (rating current $< 3\text{A}$)
 - o $< 1\text{mVrms}$ 5Hz ~ 1MHz (rating current $> 3\text{A}$)
 - o Recovery Time $< 100\mu\text{s}$ (50% Load change, Minimum load 0.5A)
 - o Temp. Coefficient $< 300\text{ppm}/^\circ\text{C}$
 - o Output Range 0 to rating voltage continuously adjustable
 - o -----

- o CONSTANT CURRENT
- o OPERATION Regulation Line regulation $< 0.2\% + 3\text{mA}$
- o Load regulation $< 0.2\% + 3\text{mA}$
- o Ripple Current $< 3\text{mArms}$
- o Output Range 0 to rating amperes continuously adjustable
(Hi / Lo range switchable)
- o -----
- o Digital 3 1/2 digits 0.5" LED display
- o 3 1/2 digits 0.39" LED display (for GPS-3030DD)
- o Accuracy $+ (0.5\% \text{ of rdg} + 2 \text{ digits})$
- o -----
- o INSULATION Chassis and Terminal $20\text{M}\Omega$ or above (DC 500V)
- o Chassis and AC Cord $30\text{M}\Omega$ or above (DC 500V)
- o -----
- o POWER SOURCE AC 100V/120V/220V/240V $\pm 10\%$, 50/60Hz
- o -----
- o ACCESSORIES Instruction manual x 1, Power cord x 1
- o Test lead GTL-105 x 1 ($< 3\text{A}$) or GTL-104 x 1 ($< 10\text{A}$)
- o -----
- o DIMENSIONS 128(W) x 145(H) x 285(D) mm
- o SELECTION GUIDE
- o Model Output Volts (V) Output Amps (A)
- o Digital
- o GPS-3030D (Single LCD Display) 0 ~ 30V ; 0 ~ 3 A
- o GPS-3030DD (Dual LCD Display) 0 ~ 30V; 0 ~ 3 A