

D.C. Power Supply



GPS-SERIES
(ANALOG TYPE)



GPS-SERIES
(DIGITAL TYPE)



GPS-3030DD
(DIGITAL TYPE)

- * Light and Compact Design
- * 0.01% High Regulation
- * Constant Voltage and Constant Current Operation
- * Series or Parallel Operation Function

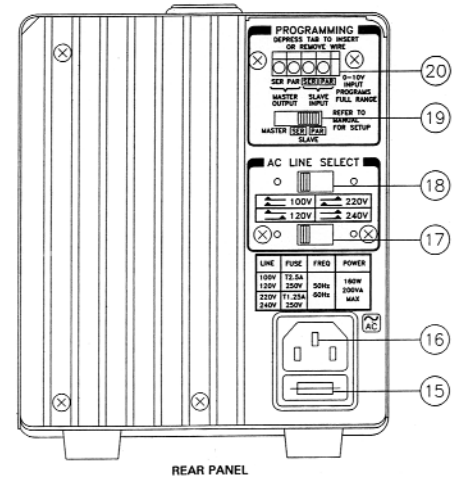
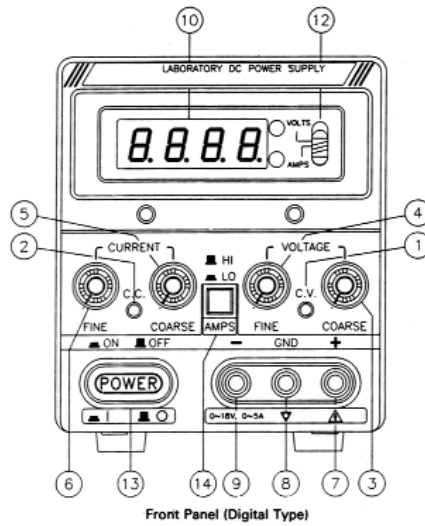
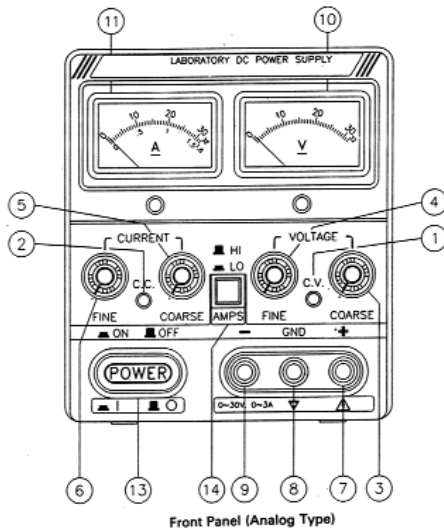
- * Remote Control for External Programmable
- * Internal Select for Continuous or Dynamic Load
- * Low Ripple and Noise
- * Overload and Reverse Polarity protection

SPECIFICATIONS

CONSTANT VOLTAGE OPERATION	Regulation	Line regulation $\leq 0.01\% + 3mV$ Load regulation $\leq 0.01\% + 3mV$ (rating current $\leq 3A$) $\leq 0.01\% + 5mV$ (rating current $> 3A$)
	Ripple & Noise	$\leq 0.5mV_{rms}$ 5Hz ~ 1MHz (rating current $\leq 3A$) $\leq 1mV_{rms}$ 5Hz ~ 1MHz (rating current $> 3A$)
	Recovery Time Temp. Coefficient Output Range	$\leq 100mS$ (50% Load change, Minimum load 0.5A) $\leq 300ppm/^{\circ}C$ 0 to rating voltage continuously adjustable
CONSTANT CURRENT OPERATION	Regulation	Line regulation $\leq 0.2\% + 3mA$ Load regulation $\leq 0.2\% + 3mA$
	Ripple Current Output Range	$\leq 3mA_{rms}$ 0 to rating current continuously adjustable (Hi / Lo range switchable)
METER	Analog	V-meter and I-meter each one 2.5 class
	Digital	Dimensions 50 x 50 mm 3 1/2 digits 0.5" LED display 3 1/2 digits 0.39" LED display (for GPS-3030DD) Accuracy $\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$
INSULATION	Chassis and Terminal Chassis and AC Cord	20MW or above (DC 500V) 30MW or above (DC 500V)
POWER SOURCE		AC 100V/120V/220V/240V $\pm 10\%$, 50/60Hz
ACCESSORIES		Power cord x 1, Instruction manual x 1 Test lead GTL-105 x 1 ($\leq 3A$) or GTL-104 x 1 ($\leq 10A$)
DIMENSIONS		128(W) x 145(H) x 285(D) mm

	Model	Output Volts(V)	Output Amps(A)	Weight (kg)
Analog	GPS-1830	0 ~ 18	0 ~ 3	4
	GPS-1850	0 ~ 18	0 ~ 5	5.5
	GPS-3030	0 ~ 30	0 ~ 3	5
	GPS-6010	0 ~ 60	0 ~ 1	4
Digital	GPS-1830D	0 ~ 18	0 ~ 3	4
	GPS-1850D	0 ~ 18	0 ~ 5	5
	GPS-3030D	0 ~ 30	0 ~ 3	5
	GPS-3030DD	0 ~ 30	0 ~ 3	5

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Front panel

- ① CV indicator
- ② CC indicator
- ③ Voltage coarse
- ④ Voltage fine
- ⑤ Current coarse
- ⑥ Current fine
- ⑦ "+" output terminal
- ⑧ "GND" terminal
- ⑨ "-" output terminal
- ⑩ meter
- ⑪ meter
- ⑫ A/V selects switch
- ⑬ Power control
- ⑭ Current HI/LO control

lights when the power turn on and constant voltage operation.

lights when this unit in constant current operation.

for the coarse adjustment of the output voltage.

for the fine adjustment of the output voltage.

for the coarse adjustment of the output current.

for the fine adjustment of the output current.

positive polarity (Red).

earth and chassis ground (Green).

negative polarity (Black).

indicates the output voltage (Analog type).

indicates the output voltage or current (Digital type).

indicates the output current (Analog type).

selects the meter indicates of the output voltage or current (Digital type).

on/off switch.

current indicates HI/LO range SELECTS.

Rear panel

- ⑮ Fuse holder
- ⑯ Power cord
- ⑰ AC selects switch
- ⑱ AC selects switch
- ⑲ Master-Slave Switch
- ⑳ Input-Output connector

With ⑱ switch selects the line voltage at the high end (Right position) of the range 120V or 240V and at the low end (left position) of the range 100V or 220V.

Selects the line Voltage is in the 100V-120V range (left position) or is in the 220V-240V range (Right position).

Selects for Master (internal control) or Slave (external remote control) tracking operation.

With ⑲ Master-Slave switch selects, permit from the Master unit (SER. or PAR.) output connected to Slave unit (SER. or PAR.) inputs.