

D.C. POWER SUPPLY (ANALOG TYPE)

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FEATURES

- ☐ Triple Output
- ☐ Auto Series and Parallel Operation
- ☐ Constant Voltage and Constant Current Operation
- ☐ Low Ripple and Noise
- ☐ Four Indicator Meters
- ☐ Auto Tracking
- ☐ Continuous / Dynamic Load Can be Selected
- ☐ Overload and Reverse Polarity Protection

SPECIFICATION

OPERATION MODE	Independent	Two independent outputs and 5V fixed output
		Output from 0 to rating volts and 0 to rating amperes
	Series	Output from 0 to $\pm$ rating volts at rating amperes each
		Output from 0 to double rating volts at rating amperes

	Parallel	Output from 0 to double rating amperes at rating volts
CONSTANT VOLTAGE OPERATION	Regulation	Line regulation $\leq 0.01\% + 3\text{mV}$
		Load regulation $\leq 0.01\% + 3\text{mV} (\leq 3\text{A})$
		Load regulation $\leq 0.02\% + 5\text{mV} (\leq 10\text{A})$
	Ripple & Noise	$\leq 1\text{mVrms}$ 5Hz ~ 1MHz
	Recovery Time	$\leq 100\mu\text{s}$ (50% Load change, Minimum load 0.5A)
CONSTANT CURRENT OPERATION	Regulation	Line regulation $\leq 0.2\% + 3\text{mA}$
		Load regulation $\leq 0.2\% + 3\text{mA}$
	Ripple & Noise	$\leq 3\text{mArms}$
TRACKING OPERATION	Tracking Error	$\leq 0.5\% + 10\text{mV}$ of the master
	Series Regulation	$\leq 300\text{mV}$
METER	Analog	Voltmeter and Ammeter each two
		2.5 class
		Dimensions 50 x 50 mm
5V FIXED OUTPUT	Regulation	Line regulation $\leq 5\text{mV}$
		Load regulation $\leq 10\text{mV}$
	Ripple & Noise	$\leq 2\text{mVrms}$
	Voltage Accuracy	$5\text{V} \pm 0.25\text{V}$
	Output Current	3A
INSULATION	Chassis and Terminal	20M Ω or above (DC 500V)
	Chassis and AC Cord	30M Ω or above (DC 500V)
POWER SOURCE	AC 100V, 120V, 240V $\pm 10\%$ 50/60Hz (External Switchable)	
ACCESSORIES	Test lead GTL-105 x 3 ($\leq 3\text{A}$) or GTL-104 x 3 ($\leq 10\text{A}$)	
	Instruction manual x 1	
DIMENSIONS	255 (W) x 145 (H) x 420 (D)	

STANDARD PRODUCTS

Model	Independent	Series	Parallel	Weight (kg)
Analog				
GPC-1850	0 ~18V x 2 , 0 ~5A x 2	36V 5A	18V 10A	11.5
GPC-3020	0 ~30V x 2 , 0 ~2A x 2	60V 2A	30V 4A	11.5
GPC-3030	0 ~30V x 2 , 0 ~3A x 2	60V 3A	30V 6A	11.5



Update : 1999/03/05