

## Instek Power Supplies

*Part Nos. 01PS1830D, 1PS1850D, 01PS3030D, 01PS3030DD*

### FEATURES:

- Light and Compact Design
- 0.01% High Regulation
- Constant Voltage and Constant Current Operation
- Series or Parallel Operation Function
- Remote Control by External Voltage
- Internal Select for Continuous or Dynamic Load
- Low Ripple and Noise
- Overload and Reverse Polarity Protection

SPECIFICATIONS			
<b>CONSTANT VOLTAGE OPERATION</b>	<b>Regulation</b>	Line regulation $\leq 0.01\% + 3mV$	
		Load regulation $\leq 0.01\% + 3mV$ (rating current $\leq 3A$ )	
		$\leq 0.02\% + 5mV$ (rating current $> 3A$ )	
	<b>Ripple &amp; Noise</b>	$\leq 0.5mV_{rms}$ 5Hz ~ 1MHz (rating current $\leq 3A$ )	
	$\leq 1mV_{rms}$ 5Hz ~ 1MHz (rating current $> 3A$ )		
	<b>Recovery Time</b>	$\leq 100\mu S$ (50% Load change, Minimum load 0.5A)	
<b>Temp. Coefficient</b>	$\leq 300ppm/^{\circ}C$		
<b>Output Range</b>	0 to rating voltage continuously adjustable		
<b>CONSTANT CURRENT OPERATION</b>	<b>Regulation</b>	Line regulation $\leq 0.2\% + 3mA$	
		Load regulation $\leq 0.2\% + 3mA$	
	<b>Ripple Current</b>	$\leq 3mA_{rms}$	
<b>Output Range</b>	0 to rating amperes continuously adjustable (Hi / Lo range switchable)		
<b>METER</b>	<b>Analog</b>	V-meter and I-meter each one 2.5 class Dimension 50 x 50 mm	
	<b>Digital</b>	3 1/2 digits 0.5" LED display 3 1/2 digits 0.39" LED display (for GPS-3030DD) Accuracy + (0.5% of rdg + 2 digits)	
<b>INSULATION</b>	<b>Chassis and Terminal</b>	20M $\Omega$ or above ( DC 500V )	
	<b>Chassis and AC Cord</b>	30M $\Omega$ or above ( DC 500V )	
<b>POWER SOURCE</b>	AC 100V/120V/220V/240V+10%, 50/60Hz		
<b>ACCESSORIES</b>	Instruction manual x 1, Power cord x 1 Test lead GTL-105 x 1 ( $\leq 3A$ ) or GTL-104 x 1 ( $\leq 10A$ )		
<b>DIMENSIONS</b>	128(W) x 145(H) x 285(D) mm		

Model	Output Volts (V)	Output Amps (A)
<b>GPS-1830D</b>	0 ~ 18	0 ~ 3
<b>GPS-1850D</b>	0 ~ 18	0 ~ 5
<b>GPS-3030D</b>	0 ~ 30	0 ~ 3
<b>GPS-3030DD</b>	0 ~ 30	0 ~ 3