

# Instek Power Supplies

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

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## 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		
CONSTANT VOLTAGE OPERATION	Regulation	Line regulation $\leq 0.01\% + 3mV$
		Load regulation $\leq 0.01\% + 3mV$ (rating current $\leq 3A$ )
		$\leq 0.02\% + 5mV$ (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	$\leq 100\mu S$ (50% Load change, Minimum load 0.5A)
Temp. Coefficient	$\leq 300ppm/^{\circ}C$	
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 amperes continuously adjustable (Hi / Lo range switchable)	
METER	Analog	V-meter and I-meter each one 2.5 class Dimension 50 x 50 mm
	Digital	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)
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+10%, 50/60Hz	
ACCESSORIES	Instruction manual x 1, Power cord 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)
GPS-1830D	0 ~ 18	0 ~ 3
GPS-1850D	0 ~ 18	0 ~ 5
GPS-3030D	0 ~ 30	0 ~ 3
GPS-3030DD	0 ~ 30	0 ~ 3