

Power Supply

PS280

Features & Benefits

- Triple Output
- One Fixed 5 V, 3 A Supply
- Two Variable Outputs, 0 to 30 V, 2 A
- Digital LED Output Indicator
- Variable Current Limiting
- Selectable Independent Tracking Mode
- Dual Tracking, Variable 0 to 30 V, 2.0 A
- One Year Warranty

Applications

- Training
- Manufacturing Production Test
- Field Repair
- Bench Calibration and Repair
- Product Design
- Laboratory and Research
- Education/Training

The PS280 DC power supply is a multifunction benchtop or portable instrument. It is a regulated power supply that provides fixed 5 V output for powering logic circuits and two variable outputs for a wide range of test and experimental uses.

Characteristics

Output Voltage:	
Output Current:	
Line Regulation:	
Load Regulation:	
Ripple/Noise:	
Output in Independent Mode:	
Output in parallel mode:	One 0 to 30 V, 4.0 A max
Series mode:	One 0 \pm 30 V, 2.0 A max or one 60 V, 2 A
Displays:	Two 3-1/2 digit LED (switchable)

Insulation:	
Two variable:	0 to 30 VDC
One fixed:	5.0 V
Two variable:	0 to 2.0 A (CC)* ¹
One fixed (foldback limited):	3.0 A max
Two variable:	0.01% + 3 mV (CV); 0.2% + 3 mA (CC)
One fixed:	≤5 mV (CV)
Two variable:	≤0.01% + 5 mV, current >3 A (CV); ≤300 mV 0 to 60 V single series tracking supply (CV), 0.2% +3 mA (CC)
One fixed:	≤10 mV (CV)
Two variable:	≤1 mV _{RMS} , 5 Hz to 1 MHz (CV); ≤3 mA (CC)
One fixed:	≤2 mV _{RMS}
Two variable:	0 to 30 V (CV); 2.0 A (CC)
Tracking error:	≤0.5% + 10 mV
Tracking error:	±0.5% +10 mV
Voltage indicators:	0 to 30 VDC ±(0.5% of rdg + 2 digits)
Current indicator:	0 to 2 A DC ±(0.5% of rdg + 2 digits)
Overload indicator:	Yes
Chassis to terminal:	≥20 MΩ at 500 VDC
Chassis to power cord:	≥30 MΩ at 500 VDC
Safety:	UL1244, CSA231, EN61010-1, Denturi Mark
EMC:	Meets Directive 89/336/EEC

*¹ (CC): When operated in constant current mode. (CV): When operated in constant voltage mode.