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PD-Series Programmable Power Supply

Standard Models

Download Datasheet



PD Series General Specification

AC LINE INPUT

120/240 VAC±10%

LINE FREQUENCY

50/60 HZ

TOPOLOGY LINEAR

Constant Voltage (CV)
 Constant Current (CC)

OUTPUT VOLTAGE

5 to 350 Volts (Maximum)

OUTPUT CURRENT

0 to 40 Amps (Continuous maximum)

OUTPUT POWER

20 to 1,200K Watts

PROGRAMMING RESOLUTION (LSB)

Voltage - $V_{max}/4000$
 Current - $I_{man}/4000$

PROGRAMMING ACCURACY

CV - $\pm 0.05\%$ of setting + 2LSB
 CC - $\pm 0.15\%$ of setting + 5LSB

READBACK ACCURACY

CV - $\pm 0.1\%$ of setting + 2LSB
 CC - $\pm 0.2\%$ of setting + 5LSB

LINE REGULATION

CV - $\pm 0.0001\% + 1mV$
 CC - $\pm 0.01\% + 1mA$

LOAD REGULATION

CV - $\pm 0.001\% + 1mV$
 CC - $\pm 0.01\% + 1mA$

PARD

CV - 3m Vrms, 3m Vp-p (Typical)
 CC - 3m Arms (Typical)

TRANSIENT RESPONSE

50 μ S for 50% to 100% load change
 within 0.1% or rated output

REMOTE SENSE

Voltage drop $\leq 2VDC$ /output line

DRIFT (over 8hours & 30 minutes' warm-up period)

$\pm 0.01\% + 1mV$

OPERATING TEMPERATURE

0°C to 50°C

STORAGE TEMPERATURE

-40°C to 70°C

TEMPERATURE COEFFICIENT

100PPM/°C (30 minutes warm-up period)

HUMIDITY

0% to 95% RH non-condensing

OUTPUT ISOLATION

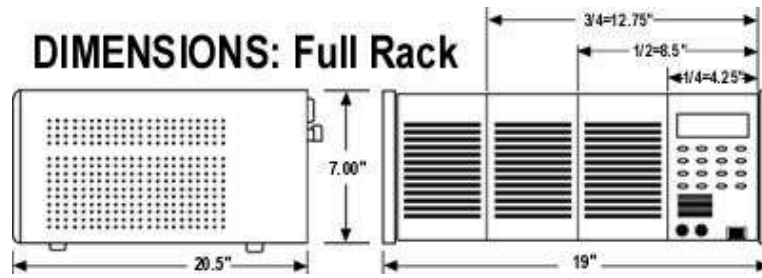
$\pm 250VDC$

PROGRAMMING METHOD

Push-Button (front panel)
 GPIB Interface IEEE488.1 or IEEE
 488.2 (option)
 RS232 Interface

DISPLAY

16 X 2 (Characters x Rows)
 Bakelite
 CC/OVP/OUTPUT
 Annunciators



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Info Request Form: 11801 Goldring Road, Arcadia, CA 91006 Tel: (800) 654-9838 (626) 303-6688 Fax: (626) 358-3838
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