

## CC MODEL TABLE

MODEL	d-c OUTPUT RANGE		OUTPUT IMPEDANCE CURRENT MODEL	
	VOLTS	AMPS	SHUNT R	SHUNT C
CC 7-2M	0-7	0-2	70KΩ	8.0μF
CC 15-1.5M	0-15	0-1.5	200KΩ	3.0μF
CC 21-1M	0-21	0-1	420KΩ	2.0μF
CC 40-0.5M	0-40	0-0.5	1.6MΩ	1.0μF
CC 72-0.3M	0-72	0-0.3	4.8MΩ	0.6μF
CC 100-0.2M	0-100	0-0.2	10MΩ	0.4μF

## CC & PCX-MAT GENERAL SPECIFICATIONS

SPECIFICATION	CONDITION	RATING/DESCRIPTION
<b>INPUT</b>		
Voltage	User selectable	105-125/210-250V a-c
Current	Max load, 115V a-c	0.6A rms
Frequency		50-440Hz
<b>OUTPUT</b>		
Current adjustment (PCX-MAT)	0-71°C	0-100% of rating range
Voltage limiting (CC)	Fixed	150-200% of rated load compliance voltage
Error sense (PCX-MAT)	Static voltage allowance	0.5V per load wire
Voltage recovery	Step load change between 10% and 100% $I_o$ max	50 $\mu$ sec typ, 100 $\mu$ sec max
Isolation voltage	Output to ground	500V d-c or peak
Leakage current, Output to ground	rms at 115V a-c	5 microamperes
	p-p at 115V a-c	50 microamperes
Series connection (PCX-MAT)	Max voltage off ground	500V
Parallel connection	—	No restrictions
OVP	—	Not available

## CC & PCX-MAT GENERAL SPECIFICATIONS

SPECIFICATION	CONDITION	RATING/DESCRIPTION
<b>CONTROL</b>		
Type (PCX-MAT)	Voltage	Fixed input, variable gain
Voltage (PCX-MAT)	Local	10-turn precision rheostat
	Remote analog	1000 Ohms/Volt or by control voltage delivering 0-1mA
	Remote digital	Use SN digital to analog converter
Type (CC)	Current	Fixed ref. variable gain
Current (CC)	Local	10-turn precision rheostat
	Remote analog	0-10,000 Ohm resistor, or by control voltage delivering 0-100 $\mu$ A
Dynamics Programming speed		$dV/dt=I/C$ (see tabulated C) in the model table
<b>MECHANICAL</b>		
Input/output connections	Source power, d-c output, sense, & control terminals	Male PC connector mates with built-in socket in bench or rack housing
	Output monitoring	Front panel
Meters	Front panel analog	Two 2" $\pm$ 3% horizontal
Indicators	One neon	Power on
Mounting	See Mounting	Fits in single slot of rack or bench housing
Cooling	Convection	Top surface
Dimensions (H x W x D)	Inches	5 $\frac{7}{32}$ x 2 $\frac{25}{32}$ x 14 $\frac{15}{16}$
	mm	132.6 x 70.6 x 379.4
Finish; Fed Std 595	Front panel	Gray color 26440
Weight	Packed for shipment	8lbs (3.6Kg)

## STATIC SPECIFICATIONS

INFLUENCE QUANTITY	
Source:	105-125/210-250V a-c
Load:	10% load - 100% load
Time:	8 hours (drift)
Temperature:	Per °C
Ripple and Noise <sup>(2)</sup>	rms pp <sup>(3)</sup>

## CC

OUTPUT EFFECTS CURRENT MODE
<0.0005% or 0.2 $\mu$ A <sup>(1)</sup>
<0.005% or 2 $\mu$ A <sup>(1)</sup>
<0.02% or 2 $\mu$ A <sup>(1)</sup>
<0.01%
<0.02% of selected scale
<0.1% of selected scale

Fractional dimensions in light face type are in inches, dimensions in bold face type are in millimeters.

Tolerance:  $\pm 1/64$ " (0.4) between mounting holes;  $\pm 1/32$ " (0.8) other dimensions

