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## MODEL EEL1102.10.100

### HIGH VOLTAGE AMPLIFIER SPECIFICATION SHEET(PRELIMINARY)

<b>VOLTAGE:</b>	+/-11kV
<b>ACCURACY:</b>	0.5% of F.S.
<b>NOISE:</b>	<500mVrms
<b>OFFSET:</b>	<+/-2 VDC OFFSET
<b>CURRENT:</b>	+/-10mA peak AC, or +/-100mA for 4ms
<b>POWER RATING:</b>	110W
<b>SLEW RATE:</b>	> 700 V/us
<b>LARGE SIGNAL BANDWIDTH:</b>	>20 kHz No load -3db
<b>SMALL SIGNAL BANDWIDTH:</b>	>60 kHz No load -3db
<b>INPUT GAIN:</b>	1V = 1000V
<b>HIGH VOLTAGE ENABLE:</b>	TTL, Open Collector
<b>VOLTAGE MONITOR:</b>	1000:1 (1V represents 1000V)
<b>ACCURACY:</b>	0.1% of Full Scale
<b>CURRENT MONITOR:</b>	1V = 5mA
<b>ACCURACY:</b>	1% of Full Scale
<b>BANDWIDTH:</b>	>11 kHz
<b>DYNAMIC ADJUSTMENT:</b>	1 Turn potentiometer
<b>VOLTAGE MONITOR CONNECTOR:</b>	BNC
<b>CURRENT MONITOR CONNECTOR:</b>	BNC
<b>CURRENT LIMIT/TRIP MONITOR CONNECTOR:</b>	BNC
<b>CURRENT LIMIT/TRIP INDICATOR:</b>	YELLOW LED




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### HIGH VOLTAGE AMPLIFIER SPECIFICATION SHEET(CONT)

<b>CURRENT LIMIT/TRIP ADJUSTMENT:</b>	1 Turn Potentiometer
<b>CURRENT LIMIT/TRIP SELECT:</b>	Slide Switch
<b>INPUT CONNECTOR:</b>	BNC
<b>HV ENABLE CONNECTOR:</b>	BNC with shorting plug
<b>LOCAL/REMOTE SELECT:</b>	Slide Switch
<b>FAN FAULT CONNECTOR:</b>	BNC
<b>FAN FAULT INDICATOR:</b>	RED LED
<b>THERMAL LIMIT CONNECTOR:</b>	BNC
<b>THERMAL LIMIT INICATOR:</b>	RED LED
<b>OUT OF REGULATION CONNECTOR:</b>	BNC
<b>OUT OF REGULATION INDICATOR:</b>	YELLOW LED
<b>HIGH VOLTAGE ON SWITCH:</b>	Push Button Momentary
<b>HIGH VOLTAGE ON INDICATOR:</b>	RED LED
<b>HIGH VOLTAGE OFF SWITCH:</b>	Push Button Momentary
<b>HIGH VOLTAGE OFF INDICATOR:</b>	GREEN LED
<b>EMERGENCY STOP SWITCH:</b>	Red Push Button
<b>HV OUTPUT CONNECTOR:</b>	CATON
<b>DIGITAL INTERFACE:</b>	USB B
<b>POWER SWITCH:</b>	GREEN LIGHTED ROCKER
<b>ENCLOSURE SIZE:</b>	178mm (7.00") H X 432mm (17.00") W X 356mm (14.00") D
<b>ITEMS INCLUDED:</b>	Line cord, Manual, HV Output Cable, USB Cable

Specifications are subject to change without notice.