



MODEL EEL2102.20.100

HIGH VOLTAGE AMPLIFIER SPECIFICATION SHEET(PRELIMINARY)

VOLTAGE:	+/-21kV
ACCURACY:	0.5% of F.S.
NOISE:	<800mVrms
OFFSET:	<+/-2 VDC OFFSET
CURRENT:	+/-20mA peak AC, or +/-100mA for 4ms
POWER RATING:	420W
SLEW RATE:	> 800 V/us
LARGE SIGNAL BANDWIDTH:	>6.5 kHz No load -3db
SMALL SIGNAL BANDWIDTH:	>25 kHz No load -3db
INPUT GAIN:	1V = 2000V
HIGH VOLTAGE ENABLE:	TTL, Open Collector
VOLTAGE MONITOR:	2000:1 (1V represents 2000V)
ACCURACY:	0.1% of Full Scale
CURRENT MONITOR:	1V = 5mA
ACCURACY:	1% of Full Scale
BANDWIDTH:	>11 kHz
DYNAMIC ADJUSTMENT:	1 Turn Potentiometer
VOLTAGE MONITOR CONNECTOR:	BNC
CURRENT MONITOR CONNECTOR:	BNC
CURRENT LIMIT/TRIP MONITOR CONNECTOR:	BNC
CURRENT LIMIT/TRIP INDICATOR:	YELLOW LED
CURRENT LIMIT/TRIP ADJUSTMENT:	1 Turn Potentiometer



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HIGH VOLTAGE AMPLIFIER SPECIFICATION SHEET(CONT)

CURRENT/LIMIT SELECT:	Slide Switch
INPUT CONNECTOR:	BNC
HV ENABLE CONNECTOR:	BNC with shorting plug
LOCAL/REMOTE SELECT:	Slide Switch
FAN FAULT CONNECTOR:	BNC
FAN FAULT INDICATOR:	RED LED
THERMAL LIMIT CONNECTOR:	BNC
THERMAL LIMIT INDICATOR:	RED LED
OUT OF REGULATION CONNECTOR:	BNC
OUT OF REGULATION INDICATOR:	YELLOW LED
HIGH VOLTAGE ON SWITCH:	Push Button Momentary
HIGH VOLTAGE ON INDICATOR:	RED LED
HIGH VOLTAGE OFF SWITCH:	Push Button Momentary
HIGH VOLTAGE OFF INICATOR:	GREEN LED
EMERGENCY STOP SWITCH:	Red Push button
HV OUTPUT CONNECTOR:	CATON
DIGITAL INTERFACE:	USB B
POWER SWITCH:	GREEN LIGHTED ROCKER
ENCLOSURE SIZE:	229mm (9.00") H X 432mm (17.00") W X 508mm (20.00") D
ITEMS INCLUDED:	Line cord, Manual, HV Output Cable, USB Cable

Specifications are subject to change without notice.