

- Automatic Constant Voltage/Constant Current Operation
- Adjustable Ballast
- Voltage and current continuously adjustable
- Up to 2000V at 1000mA
- Fully regulated and protected
- Perfect for Lamps Using Noble Gases

The Model 730 is specially equipped with an adjustable ballast to allow the use of lamps which utilize noble gases. Originally designed for use with the McPherson Hinteregger Light Source (Model 630), this unit can be applied to a variety of lamp driving applications.

A Pulse-Width modulated power supply, the Model 730 is continuously adjustable using two front panel 10-turn locking controls. Current and voltage are monitored using two easy-to-read analog meters.



Voltage and current regulation are exceptional with ripple better than 0.1%. The unit is protected by automatic regulating circuitry along with fuses and surge resistor components that are built into the unit.

Fully safety interlocked – Local and Remote (User). Our remote interlock function allows an external device, such as a water flow switch, to interrupt operation. Ballast is temperature protected. High voltage will be disabled in the event of fan failure or blocked air louvers.

The attractive Model 730 cabinet contains a standard 19" rack with extra space that you can utilize to mount other scientific equipment (additional cooling may be necessary). Available with either a 110V or 240V AC Input configuration (Specify when ordering). Comes complete with AC Power Cord. If ordered with a light source, all interface cables are also supplied with the unit.

Specifications	
Output Voltage (max)	2000V
Polarity	+/- FACTORY SET
Output Current (max)	1000Ma
Line Regulation	<.005%
Load Regulation	.005%+1Mv/Ma
Ripple (p-p) (max)	<.03%+1VRMS
Stability/Hour (after 1/2 hour)	.01%/Hour
Stability/8 Hours	.05%
AC Input	102-132VAC or 198-264VAC
Frequency	48-63Hz
Efficiency	85%
Current Regulation	Automatic, ARC, and Short circuit
Protection	Fuses, Surge-limiting resistors
Voltage Adjustment	10-turn control with lock
Current Adjustment	10-turn control with lock
Resolution	0.05%
Accuracy	0.5%
Display Panel Meters	Analog; DC milliamps DC Kilovolts
Operating Temperature	-20C-+40C
Storage Temperature	-40C-+85C
Dimensions	40" H X 23.31 W X 31.25 D
Switches	HV On/Off, AC power On/Off
LED Indicators	HV On/Off, Polarity, Control CV/CC
Safety Interlock	Rear cabinet door
Rear Panel Connectors	HV out (lamp SHV), interlock (4 pin), AC input
Cooling	Unit and ballast, internal fans