

## **AREF POWER SUPPLY D-803**

The Angular Reflectron (AREF) Power Supply was designed to be a single, compact source for the voltages used in a typical angular reflectron spectrometer. Choice of this unit should curtail instrument clutter in the immediate vicinity of the experiment. All six voltages are monitored by the same meter. A voltage is only displayed while its monitor button is held down. Each end of every cable is labeled to match the receptacle to which it connects.

### **PHYSICAL SPECIFICATIONS**

Cabinet Size	19.0"W. X 14.5"D. X 5.25"H.
Cabinet Weight	20.5 Lb.

### **SERVICE REQUIREMENTS**

Input Power	100/120/220/240 Volts 1 Phase, 50-60 Hz
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### **ELECTRICAL SPECIFICATIONS**

Output Voltages	<u>VD.</u> 0 to -5000 Volts to Detector Divider Box
	<u>VA1.</u> 0 to +4500 Volts D.C. to Repeller A1
	<u>VA 2.</u> 0 to +4500 Volts D.C. to Extraction Grid A2
	<u>VXY.</u> 0 to +4500 Volts D.C. to Steering Plate_XY
	<u>VR1.</u> 0 to +4500 Volts D.C. to Reflector R1
	<u>VR2.</u> 0 to +4500 Volts D.C. to Reflector R2

Cables are furnished for all outputs. Those to the Source elements are 8' long. Those to the Detector Divider Box and Reflector are 10' long. Short (8") cables are furnished to connect the Detector with the Divider Box.

Polarity of the above voltages can be reversed by replacing the internal module with one of negative polarity.

Output Stability and Maximum Ripple	5mv at 5KV.
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