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ITAR POWER SUPPLY D-803I

The Ion Trap Angular Reflectron (ITAR) Power Supply was designed to be a single, compact source for the voltages used in a typical ion trap 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

ELECTRICAL SPECIFICATIONS

Output Voltages

VD. 0 to –5000 Volts to Detector Divider Box

LINER. 0 to -4500 Volts D.C. to Liner/Accel. L

FOCUS. 0 to -4500 Volts D.C. to Focus Lens FOC

DEF. 0 to -4500 Volts D.C. to Deflection Plate

VR1. 0 to -4500 Volts D.C. to Reflector R1

VR2. 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 opposite polarity. Maximum voltage of R2 can be increased for use with high voltage extraction pulsers.

Output Stability and Maximum Ripple	5mv at 5KV