

TOF POWER SUPPLY D-603

The Time of Flight (TOF) Power Supply was designed to be a single, compact source for the voltages used in a typical linear TOF Spectrometer. Choice of this unit should curtail instrument clutter in the immediate vicinity of the experiment. All 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
VX1. -330 to +330 Volts D.C. to Steering Plate X1
VX2. -330 to +330 Volts D.C. to Steering Plate X2
VY1. -275 to +275 Volts D.C. to Steering Plate Y1
VY2. -275 to +275 Volts D.C. to Steering Plate Y2
VA1. 0 to +4500 Volts D.C. to Repeller A1
VA2. 0 to +4500 Volts D.C. to Extraction Grid A2

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