

Quadrupole Power Supply



The Ardara Technologies Quadrupole Power Supply was designed to provide an easy-to-install self-oscillating RF power supply for powering quadrupole ion.

- Frequency range of 1.8 MHz to 700 kHz.
 - Optional configuration allows for stable operation as high as 4 MHz with a 50 pF capacitive load.
- Compatible with a wide variety of capacitive loads.
 - 20 pF to 360 pF standard configuration.
 - Extendable configuration allow for loads over 1000 pF.
- Self-oscillating design allows the power supply to self-resonate on a variety of loads, without user intervention, therefore there is no tuning procedure.
- Front panel potentiometers control voltages for:
 - Resolving RF (m/z)
 - Pole Bias Offset
 - Low Mass Resolution
 - High Mass Resolution.
- Male DB-9 connector on the back panel provides external commands for the Mass Command, Low Mass Resolution Command, and Pole Bias Offset Command.
- Vacuum Interlock input, disables RF voltages output under conditions where the vacuum pressure is too high for safe operation.
- Dimensions: 19-inch rack mount front panel.
- Universal AC input (100-240VAC, 50-60 Hz)