

# P200 - Photron's Super Lamp Power Supply

The Photron Super lamp power supply provides a means to add high performance Superlamps to many types of spectrometers which only provide for standard hollow cathode lamps. It uses existing spectrometer current to provide a primary hollow cathode current. The power supply provides a precision secondary boost discharge to increase excitation of atoms sputtered by the instrument lamp supply. The boost discharge when increased from zero will reach a peak light intensity at an optimum current and then drop away at higher currents. This results in a specific peak current for a given lamp under the chosen operating conditions and instrument type.



Current is adjusted by a ten turn current control on the front panel. The current is constantly displayed on the front panel milliammeter. The power supply can operate any Photron 3V filament Superlamp.

Photron's Superlamp power supply can be fitted to many Atomic Absorbtion instruments including; Varian, Perkin Elmer, GBC Scientific, Unicam, Hitachi, Shimadzu, Analytic Jena and many others.