

# QUINSTAR TECHNOLOGY, INC.

---

24085 Garnier St., Torrance, CA 90505 U.S.A. 310-320-1111

## MODEL PS-3D BIAS SUPPLY

The Model PS-3D bias supply contains three identical circuits that modulate the gate voltage of the FET to maintain a selectable drain current between 0 and 25 mA. The drain voltage is selectable over the range of 0 to +5V.

To operate the bias supply, a source of 120 or 240 VAC, 50-60 Hz is required. It is recommended that the voltage and current pots be initially set to zero. Set the selector switch to the desired stage and apply power. Set the V-I switch to "V" to read volts and to "I" to read milliamperes. Set the switch to V and turn up the voltage pot until the voltage recommended on the data sheet is reached, then set the switch to I and turn up the current pot until the recommended current is reached. Normally the voltages will be in the 2-3V range and the currents in the 5-10 mA range. Set the selector switch to the next stage and repeat the above process. When all stages read the appropriate voltage and current, no further adjustment should be required.

It is not necessary to repeat this process unless the amplifier is changed. The power may be turned on or off with the voltages and currents set to their specified values.