

D-79510 – Ion Gauge Vacuum Sensor



Spherical ionization gauge. Electrode assembly of 205B/VT-2, with 3" soft glass tube on top as inlet measurement port. Flying leads connections for the base model. The sample above was fitted with UX ceramic base. 1 and 4 heater, 2 plate, 3 grid.

Filament nominal ratings 1.6 amps at 4.5 volts.

As ionization gauge the anode is biased negative, -2 to -10 volts, while the grid must be positive, 100 to 125 volts typical, 5 to 25 mA. In operation filament voltage must be reduced for a grid current of 21 mA at 110 V DC. In this condition the pressure in mm. of mercury is about five times the plate current in amperes, $P = 5 I_p$.

Western Electric, USA. Here the [application booklet](#), thanks to Giorgio Basile.