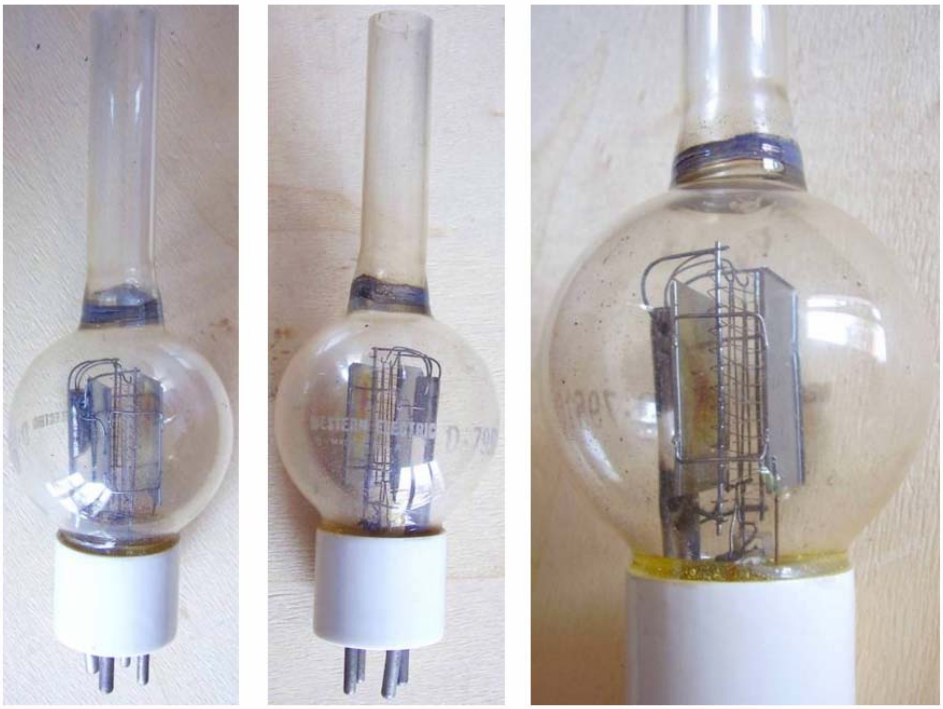
D-79510 / D-75912 – Ion Gauge Vacuum Sensors



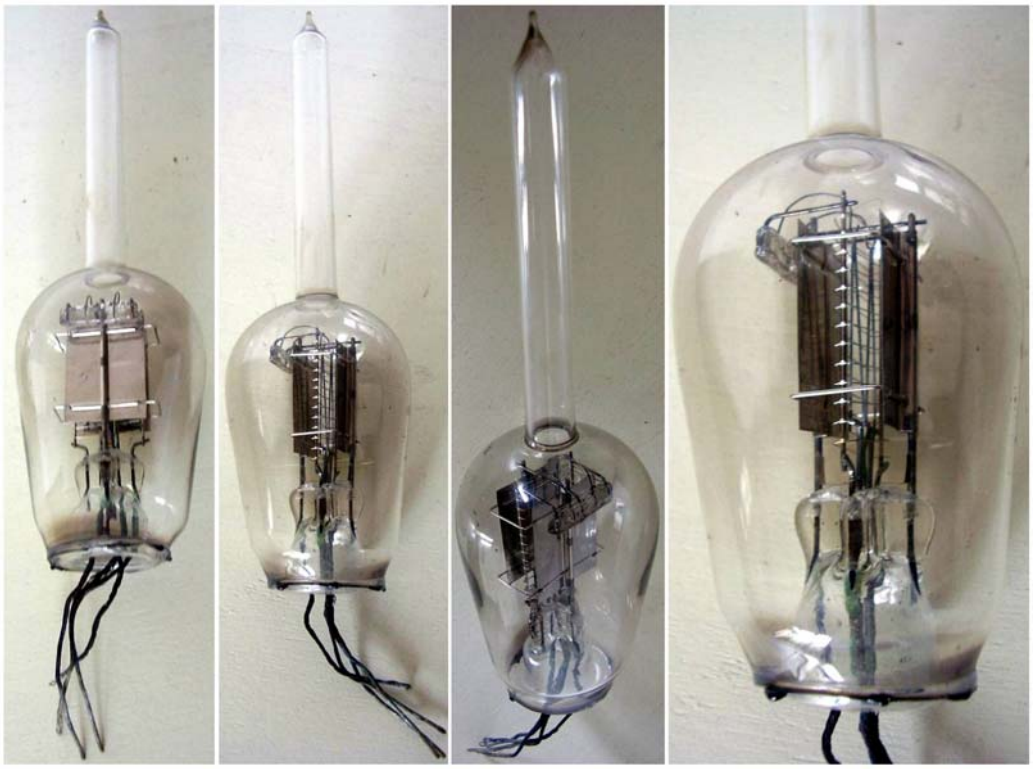
Spherical ionization gauge. Electrode assembly of 205B/VT-2, with 3" soft glass tube on top as inlet measurement port. Flying leads connections for the base model. The sample above was fitted with UX ceramic base. 1 and 4 heater, 2 plate, 3 grid.

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 Ip.

Western Electric, USA. Here the data for the **WE family of ionization gauges**, thanks to Giorgio Basile.

D-79512 – Ion Gauge Vacuum Sensor



Pear-shaped ionization gauge. Electrode assembly similar to the one of WE 205B/VT-2 in Nonex hard glass bulb. Flying leads connections for the base model. Vacuum inlet tube on top as measurement port. The available samples are still sealed.

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 Ip.

Western Electric, USA. Here the **application booklet**, thanks to Giorgio Basile. One sample was donated by Henry Robbins, West Newton, Pennsylvania.

Electrical characteristics similar to those of **D-79510**.