IONIZATION GAUGE TUBE VGIA

DESCRIPTION

Ionization gauge tube VG1A is a triode that utilizes positive ion current for sensing purposes. It is connected into a vacuum system and is capable of measuring pressures between the regions of 10^-3 mm Hg and 10^-9 mm Hg. A spiral grid structure accessible at both ends for out-gassing with current of 7 amperes facilitates the removal of gases from the elements of the gauge tube. The collector is a platinum deposit on the inside of the glass bulb that only requires heating with a torch for out-gassing.

SPECIFICATIONS

Any type of tubulation is available upon request. Stock tubulations are:
- VGIA/1 — 24/40 inner joint
- VGIA/2 — 3/4" O. D. open tubulation
- VGIA/3 — 1/2" O. D. open tubulation
- VGIA/4 — 3/8" O. D. open tubulation

Sensitivity under normal conditions - approximately 100 microamperes per micron of gas pressure.

TYPICAL CHARACTERISTICS

E_p = 25V     E_z = 120V     I_z = 5.0 ma
E_r = 3.0 — 7.5V  I_r = 3.5 — 5a

Construction, standard pyrex glass.

SPECIAL GAUGES

Our engineering staff is available to design and custom-produce specialized ionization gauges to meet your particular operating requirements. Jones plugs (4 or 6 prong) are available to your specifications.