

29.D.2

MAZDA

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IONISATION GAUGE

Directly heated filament

RATING

Filament Voltage (volts)	V_f	6.0
Filament Current (amps)	I_f	1.3
Collector Voltage (volts negative) †		-25
Internal Wire Electrode Voltage §		185
Internal Wire Electrode Current (mA)		1.0
Collector Current μ A/micron pressure		20

† It is advisable to include a 100,000 ohm fixed resistance in series with this electrode.

§ It is advisable to include a 500 ohm fixed resistance in series with this electrode.

WEIGHT

Approximate Nett Weight (ozs)	$3\frac{1}{2}$
Approximate Packed Weight (ozs)	$14\frac{1}{2}$

MOUNTING POSITION Unrestricted.

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TYPICAL OPERATION

De-gas electrodes before use, using normal High Vacuum Technique.

Collector is of nickel. It can be bombarded up to approximately 40w at 150 mA max.

Internal wire electrode is of molybdenum and can be bombarded at 20-25w with 60-100 mA.

Glass is C9 (Boro Silicate Type) and can be baked to 450°C.

BULB Clear

BASE Wire ends and stem.