

PRODUCT DATA SHEET



VTP-7169 — VTP Ionization Gauge Tube

The VTP-7169 Ionization Gauge Tube is an all glass gauge tube designed for the maximum of reliability and reproduction of accurate readings. This tube type utilizes the recognized superior design of the metal version—VTP Type 6578—but is now available in this type suitable for attachment to all glass vacuum systems. Attachment may also be made to tubular connectors on metal systems by means of VTP portcouples.

The VTP-7169 employs a grid surrounding the collector with dual grid connections allowing for easy outgassing of the grid and other elements of the gauge by merely passing heater current directly through the grid structure. The VTP-7169 is provided with three separately connected filaments providing the maximum in gauge reliability when used on large systems and where a shutdown for gauge tube replacement is costly.

GENERAL CHARACTERISTICS

Filaments (use filaments individually for maximum life)Three.
Filament Voltage 5.0 Max. Volts
Filament Current 6.0 Max. Amps
Grid Voltage (Referenced to Filament)500 Max. Volts
Grid Current (Emission Current)
Grid Voltage (Pin #3 to Pin #5)
Grid Current (Pin #3 through pin #5 circuit)41/4 Max.Amps
Collector Voltage (Referenced to Filament) 500 Max. Volts
Collector Current–Varies directly with gas pressure and
directly with grid current.
When Eilement is hot do not exceed following processing

Base		Medium	Μοι	ılded	flare S	eptar	7 pin	RETMA	E7-2
Basing: Pin No.	1	2	3	4		5	6	7	
Element	F1F2	F۱	G	С	G	;	F3	F2F3	
Mounting (Mechanical) Portcouple								or glass	seal
Mounting Position	٠۱		<i>-</i>						Any
Bulb Glass (Type)									

TYPICAL OPERATION

Filament Voltage-Single Filament.

Grid Outgassing Operation—Apply 5 volts at approx. 4 amps between pins #3 and #5 until gas pressure measured is stable.

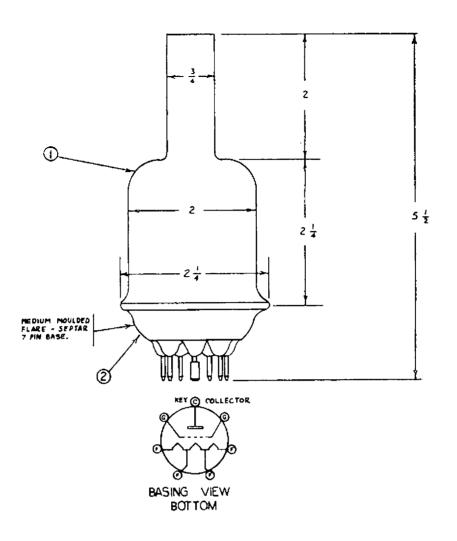
Note: Neither the bulb or the collector of the VTP-7169 require separate outgassing due to the efficient radiation heating from the grid outgas operation.

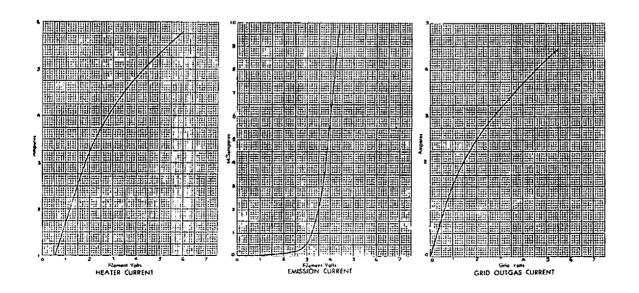


VACUUM TUBE PRODUCTS CO. INC.

2020 SHORT STREET - OCEANSIDE, CALIFORNIA

Phone: SAratoga 2-7648 Post Office Box 810





VACUUM TUBE PRODUCTS CO. INC. - 2020 Short Street, Oceanside, California