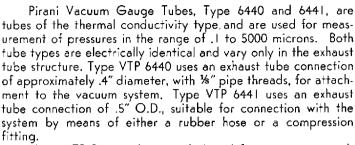
VACUUM TUBE PRODUCTS PIRANI VACUUM GAUGE TUBES TYPES

VTP 6440

ACUUM TUB PRODUCTS

CEANSIDE. C

VTP 6441



These VTP Pirani tubes are designed for extreme ruggedness and versatility, having the features of an all-metal welded construction and platinum filament with a high coefficient of thermal resistivity. Dual filaments are incorporated to provide double output and increased sensitivity when operating each filament in opposite legs of a Wheatstone bridge circuit.

Due to the all-metal construction, these VTP Pirani tubes are relatively non-sensitive to radiant heat from open flames or glow coils and compensating tubes are not normally used such as required when using glass type parini tubes. Ambient temperature variations normally do not unduly affect the gauge calibration due to the low sensitivity in this temperature range.

The platinum ribbon structure used in the VTP 6440 and VTP 6441 provides extremely fast response to pressure changes, and operation at air pressure for indefinite periods will not damage the tube or change its calibration.



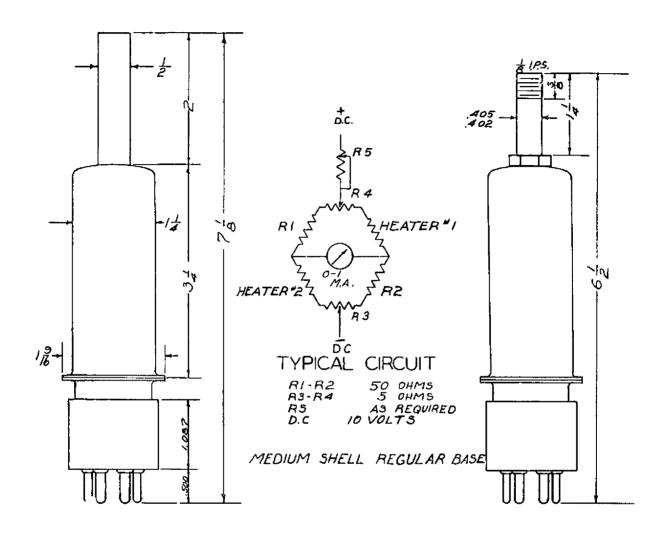
OPERATING CHARACTERISTICS

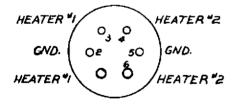
OFERA	11110	CHARACI	CKISTICS		
Heater Resistance Cold, Zero C					
Heater #1 (Pins #1 and	#3}			37	⁷¹ / ₂ ohms
Heater $\# 2$ (Pins $\# 4$ and	#6)			37	71/2 ohms
Heater Resistance Hot, with 100) ma. Cı	urrent in air	(Note 1):		-
Heater # I (Pins #1 and	d #3)	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	42	2 ohms
Heater #2 (Pins #4 and #6)					
Heater Resistance Hot, with 10	0 ma. C	urrent in Ha	ard Vacuum	(Note 1):	
Heater #1 (Pins #1 and					
Heater #2 (Pins #4 and	#61'				60 ohms
Heater Resistance Characteristi					
Heater Current 0 ma. 50 ma. 100 ma. 150 ma. 250 ma. 250 ma. 250 ma. Heater Current Normal	37 38 42 43 54 57 60	ohms ohms ohms ohms		39 60 78 81 83 84	ohms ohms ohms ohms ohms ohms ohms ohms
Pin No.	2	3	4	5	6
Element Htr. #1	Gnď.	Htr. #1	Htr. #2	Gnd.	Htr. #2

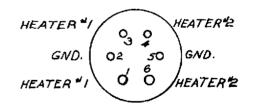
Note 1: Heater resistance is dependent upon circuit use and absolute pressure. Data is supplied for 100 ma, current inasmuch as these values are obtained when using the recommended circuit.

Note 2: Heater voltage is dependent upon circuit use and value noted is as used in recommended circuit with resistance values noted.

VACUUM TUBE PRODUCTS, 506 SOUTH CLEVELAND STREET, OCEANSIDE, CALIFORNIA
TELEPHONE: OCEANSIDE 6567







BASING 6CQ

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