



THE VICTOREEN INSTRUMENT CO.

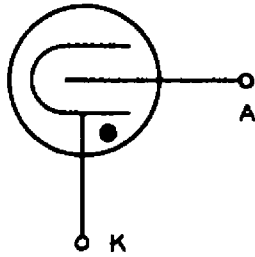
5806 HOUGH AVE., CLEVELAND, OHIO

1 B 1 2 5

JUNE 1950

DATA SHEET 25

TENTATIVE



SYMBOL

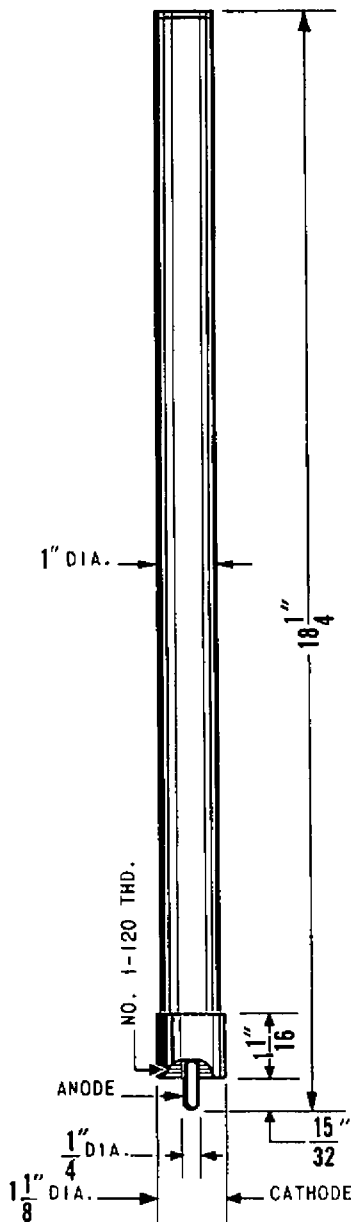
1B125 THYRODE

The 1B125 Thyrode is a metal counter tube used:

1. For cosmic ray studies in which large cross-sectional area is important.
2. In searching for radioactive ores from aircraft or fast moving vehicles.
3. In the monitoring of the radioactive content of air or water.

This tube has a rugged construction that is especially suited for field operation and has a standard RMA type A1-82 coaxial tube base which may be used with Victoreen socket types 380 and 500 or Victoreen probe type 389.

Because the 1B125 Thyrode has high uniformity in electrical characteristics, a cluster of several tubes may be operated in parallel to obtain extremely high sensitivity.



CHARACTERISTICS

THRESHOLD VOLTAGE*	(MAX) 800	VOLTS
PLATEAU LENGTH*	(MIN) 200	VOLTS
PLATEAU SLOPE*	(MAX) 3	%/100 VOLTS
	(V ₀ = 800 TO 1000 V)	
RECOVERY TIME	150	μSEC
BACKGROUND	300	C/M
	(V ₀ = 900 V)	
LIFE	10 ⁹	COUNTS
	(AT 6000 C/M, V ₀ 900 V)	
LIFE TEST END POINT, SLOPE	10	%/100 VOLTS
	(V ₀ = 850 TO 950 V)	
ACTIVE LENGTH	16	INCHES
WALL (BRASS)	300	MG/CM ²

RATINGS

OPERATING VOLTAGE	(MIN) 850	VOLTS
	(MAX) 950	VOLTS
AMBIENT TEMPERATURE	(MIN) -10	°C
	(MAX) 100	°C
RELATIVE HUMIDITY	(MAX) 100	%

*NEW TUBES