



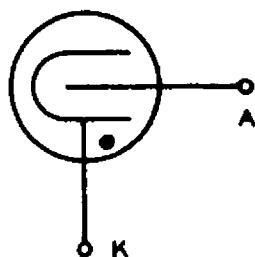
THE VICTOREEN INSTRUMENT CO.

5806 HOUGH AVE., CLEVELAND, OHIO

JUNE 1950

DATA SHEET 24

TENTATIVE



SYMBOL

1B124 THYRODE

The 1B124 Thyrode is a metal counter tube used for gamma ray measurement in portable survey instruments and well logging equipment.

This sturdily constructed tube has a standard RMA type A1-82 counter tube base for use with Victoreen socket types 380 and 500 or Victoreen probe types 389 and 263-232. The coaxial base and operation of the tube at 900 volts permits interchange of this tube with the 1B85 beta gamma tube, the 1B106 mica window tube, and the 1B125 cosmic ray tube.

The 1B124 Thyrode provides an intermediate size tube between the 1B85 Thyrode and the 1B125 Thyrode.

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	100	μSEC
BACKGROUND	200	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	11	INCHES
WALL (BRASS)	200	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

