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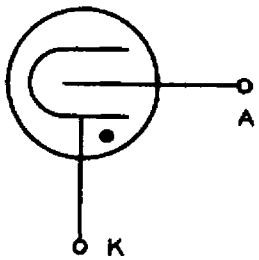
THE VICTOREEN INSTRUMENT CO. 5806 HOUGH AVE., CLEVELAND, OHIO

JUNE 1950 DATA SHEET 23 TENTATIVE

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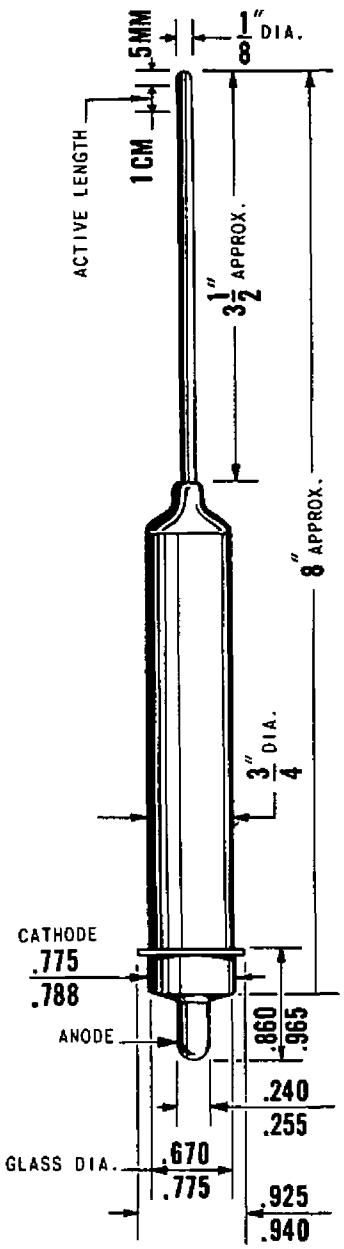


# 1B126 THYRODE

The 1B126 Thyrode is a needle type probing counter tube used for isotope measurement. It is specifically designed for radioactive tracer work where it is desirable to obtain high definition in locating tracer material. This thyrode may be used for neurosurgical work, brain tumor surgery, and thyroid tracing using radio iodine.[1]

The 1B126 Thyrode is of sturdy construction so it may be chemically sterilized and a large gas storage volume has been incorporated in the handle to insure long tube life.

The 1B126 uses a standard counter tube base, RMA type A1-82, and may be used with Victoreen socket types 380 and 500 or Victoreen probe type 389.

## CHARACTERISTICS

| | | | |
|---|---|---|---|
| THRESHOLD VOLTAGE* | (MAX) | 850 | VOLTS |
| PLATEAU LENGTH* | (MIN) | 75 | VOLTS |
| PLATEAU SLOPE* ($V_0$ = 800 TO 1000 V) | (MAX) | 5 | %/100 VOLTS |
| PACKGROUND ($V_0$ = 900 V) | | 5 | C/M |
| LIFE (AT 6000 C/M, $V_0$ = 900 V) | | $10^8$ | COUNTS |
| ACTIVE LENGTH | | 10 | MM |
| WALL (STAINLESS STEEL) | | 200 | MG/CM$^2$ |

## RATINGS

| | | | |
|---|---|---|---|
| OPERATING VOLTAGE | (MIN) | 875 | VOLTS |
| | (MAX) | 925 | VOLTS |
| AMBIENT TEMPERATURE | (MIN) | -10 | °C |
| | (MAX) | 100 | °C |
| RELATIVE HUMIDITY | (MAX) | 100 | % |

1 ROBINSON, C.V.: SMALL PROBING GEIGER-MUELLER COUNTERS. REV. SCI. INST., JAN. 1950

*NEW TUBES