

IB102



THE VICTOREEN INSTRUMENT CO.

5806 HOUGH AVE. CLEVELAND, OHIO

MAY 1950

DATA SHEET 21

TENTATIVE

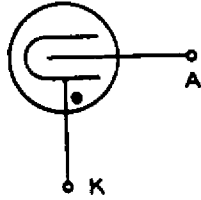
### IB102 THYRODE

The IB102 is a mica-window beta counter tube designed to meet both laboratory and field requirements.

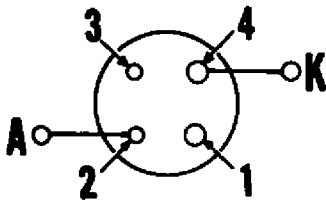
Photosensitivity and the effects of static charges on the window have been practically eliminated by the use of a halogen quenching gas.

The IB102 Thyrode has been equipped with a RMA medium 4-pin tube base to facilitate mounting in laboratory and field equipment.

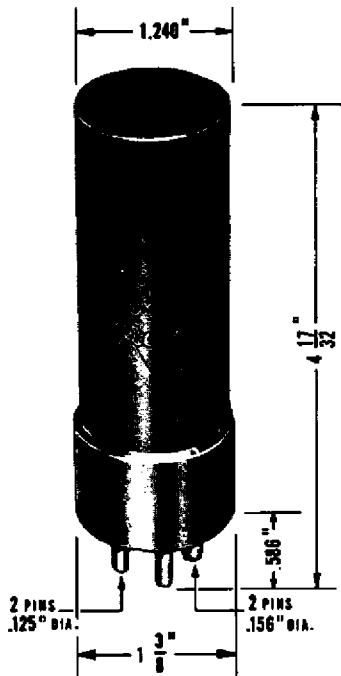
Resistance to vibration and shock is much greater than that of the IB67.



SYMBOL



BASE VIEW



### CHARACTERISTICS

|                                       |                  |                    |
|---------------------------------------|------------------|--------------------|
| THRESHOLD VOLTAGE*..... (MAX.)        | 825              | VOLTS              |
| PLATEAU LENGTH*..... (MIN.)           | 150              | VOLTS              |
| PLATEAU SLOPE*..... (MAX.)            | 10               | %/100 VOLTS        |
| (V <sub>0</sub> = 800 To 1000 V)      |                  |                    |
| RECOVERY TIME.....                    | 200              | μSEC               |
| BACKGROUND.....                       | 40               | C/M                |
| (V <sub>0</sub> = 900 V)              |                  |                    |
| LIFE.....                             | UNLIMITED BY USE |                    |
| (AT 6000 C/M. V <sub>0</sub> = 900 V) |                  |                    |
| ACTIVE LENGTH.....                    | 1.7              | INCHES             |
| WINDOW (MICA).....                    | 2                | MG/CM <sup>2</sup> |
| ELECTRODE CAPACITANCE.....            | 2.5              | μμF                |

\*NEW TUBES

### RATINGS

|                                 |     |       |
|---------------------------------|-----|-------|
| OPERATING VOLTAGE..... (MIN.)   | 850 | VOLTS |
| ..... (MAX.)                    | 950 | VOLTS |
| AMBIENT TEMPERATURE..... (MIN.) | -55 | °C    |
| ..... (MAX.)                    | +70 | °C    |
| RELATIVE HUMIDITY..... (MAX.)   | 100 | %     |

### TUBE CHARACTERISTICS

