

50333

High pressure gamma ionization chamber

## GENERAL SPECIFICATIONS

|                                      |             |
|--------------------------------------|-------------|
| MAXIMUM LENGTH (INCH/MM)             | 7.29/185.17 |
| MAXIMUM DIAMETER (INCH/MM)           | 1.5/38.1    |
| EFFECTIVE LENGTH (INCH/MM)           | 5.63/143.0  |
| CATHODE MATERIAL (INTERNAL/EXTERNAL) | Aluminum    |
| FILL GAS                             | Nitrogen    |
| FILL PRESSURE (TORR)                 | 11400       |
| EFFECTIVE VOLUME (CM <sup>3</sup> )  | 160.0       |
| OUTER CASING MATERIAL                | N/A         |
| ANODE CONNECTOR                      | Flying Lead |
| CATHODE CONNECTOR                    | Flying Lead |
| GUARD CONNECTOR                      | Flying Lead |

## OPERATING CHARACTERISTICS

|                                               |             |
|-----------------------------------------------|-------------|
| RECOMMENDED OPERATING VOLTAGE (VOLTS)         | 500         |
| OPERATING TEMPERATURE RANGE °C                | -50 to +100 |
| MAXIMUM OPERATING VOLTAGE (VOLTS)             | 2000        |
| GAMMA SENSITIVITY (A/R/HR - CO60)             | 1.1E-10     |
| RESISTANCE - SIGNAL ELECTRODE TO GUARD (OHMS) | >1.0E13     |
| RESISTANCE - CATHODE TO GUARD (OHMS)          | >1.0E13     |