

# 520188

End window beta-gamma ionization chamber

## GENERAL SPECIFICATIONS

|   |                 |
|---|-----------------|
| <b>MAXIMUM LENGTH (INCH/MM)</b>             | 3.59/91.1       |
| <b>MAXIMUM DIAMETER (INCH/MM)</b>           | 0.88/22.2       |
| <b>EFFECTIVE LENGTH (INCH/MM)</b>           | 30.0/76.1       |
| <b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b> | Stainless Steel |
| <b>FILL GAS</b>                             | Xenon           |
| <b>FILL PRESSURE (TORR)</b>                 | 3040            |
| <b>ANODE CONNECTOR</b>                      | Flying Lead     |
| <b>CATHODE CONNECTOR</b>                    | N/A             |
| <b>GUARD CONNECTOR</b>                      | Flying Lead     |
| <b>STORAGE TEMPERATURE RANGE (°C)</b>       | -40 to 100      |
| <b>MINIMUM SHELF LIFE (YEARS)</b>           | 2               |

## WINDOW SPECIFICATIONS

|                                     |                 |
|-------------------------------------|-----------------|
| <b>MATERIAL</b>                     | Stainless Steel |
| <b>THICKNESS (INCH/MM)</b>          | .001/.025       |
| <b>EFFECTIVE DIAMETER (INCH/MM)</b> | 0.78/19.8       |

## OPERATING CHARACTERISTICS

|  |          |
|--|----------|
| <b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>         | 500      |
| <b>OPERATING TEMPERATURE RANGE °C</b>                | 25 to 85 |
| <b>MAXIMUM OPERATING VOLTAGE (VOLTS)</b>             | 800      |
| <b>GAMMA SENSITIVITY (A/R/HR - CO60)</b>             | 2.0E-10  |
| <b>GAMMA SENSITIVITY (CS137) (A/R/HR)</b>            | 7.5E-10  |
| <b>RESISTANCE - SIGNAL ELECTRODE TO GUARD (OHMS)</b> | >1.0E13  |
| <b>RESISTANCE - CATHODE TO GUARD (OHMS)</b>          | >1.0E13  |

