

# 7145

Energy compensated gm detector



## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	1.41/35.8
<b>MAXIMUM DIAMETER (INCH/MM)</b>	0.38/9.7
<b>GAS FILLING</b>	Ne +Halogen
<b>EFFECTIVE LENGTH (INCH/MM)</b>	0.63/15.9
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	446 Stainless Steel
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	0.19/4.83
<b>CONNECTOR</b>	Pin
<b>OPERATING TEMPERATURE RANGE °C</b>	-10 to +75

## ELECTRICAL SPECIFICATIONS

<b>RECOMMENDED OPERATING VOLTAGE (VOLTS)</b>	500
<b>RECOMMENDED ANODE RESISTOR (MEG OHM)</b>	3.3
<b>OPERATING VOLTAGE RANGE (VOLTS)</b>	450 - 650
<b>MAXIMUM PLATEAU SLOPE (%/100 VOLTS)</b>	15
<b>MINIMUM DEAD TIME (MICRO SEC)</b>	15
<b>GAMMA SENSITIVITY CO60 (CPS/mR/HR)</b>	1.5
<b>TUBE CAPACITANCE (PF)</b>	3
<b>MAXIMUM BACKGROUND SHIELDED 50MM PB + 3MM AL (CPM)</b>	2
<b>MAXIMUM STARTING VOLTAGE (VOLTS)</b>	380
<b>MINIMUM ANODE RESISTOR (MEG OHM)</b>	2.2

## **FILTER SPECIFICATIONS**

<b>MATERIAL</b>	Sn
<b>THICKNESS (INCH/MM)</b>	0.08/2.0

## **WALL SPECIFICATIONS**

<b>THICKNESS (INCH/MM)</b>	0.005/0.13
<b>AREAL DENSITY (MG/CM<sup>2</sup>)</b>	90





