

# 49550

Low background alpha- beta – gamma sealed proportional counter

## GENERAL SPECIFICATIONS

<b>MAXIMUM LENGTH (INCH/MM)</b>	3.55/90.1
<b>MAXIMUM DIAMETER (INCH/MM)</b>	3.0/76.2
<b>GAS FILLING</b>	Argon
<b>CATHODE MATERIAL (INTERNAL/EXTERNAL)</b>	OFHC Copper
<b>EFFECTIVE DIAMETER (INCH/MM)</b>	2.25/57.2
<b>CONNECTOR</b>	Pin
<b>OPERATING TEMPERATURE RANGE °C</b>	0 to +50
<b>GAS PRESSURE (TORR)</b>	760
<b>PATH LENGTH (INCH/MM)</b>	0.354/8.99

## WINDOW SPECIFICATIONS

<b>MATERIAL</b>	Aluminum
<b>AREAL DENSITY (MG/CM<sup>2</sup>)</b>	3.0

DIAMETER (INCH/MM)	2.25/57.2
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## ELECTRICAL SPECIFICATIONS

BACKGROUND (ANTICOINCIDENCE +4 INCHES PB) (CPM)	1.5
OPERATING VOLTAGE RANGE - BETA/GAMMA (VOLTS)	1300 - 1600
OPERATING VOLTAGE RANGE - ALPHA (VOLTS)	900 - 1150
RECOMMENDED OPERATING VOLTAGE - ALPHA (VOLTS)	1000
RECOMMENDED OPERATING VOLTAGE - BETA/GAMMA (VOLTS)	1450

