

Annexure - I

Technical Specifications of GM detector : (LND-72118 or equivalent)

GENERAL SPECIFICATIONS :

Gas filling	: Ne + Halogen
Cathode material	: 446 Stainless Steel
Maximum length (inch/mm)	: 5.1/129.5
Effective length (inch/mm)	: 3.74/94.2
Maximum diameter (inch/mm)	: 0.63/16.0
Effective diameter (inch/mm)	: 0.61/15.5
Connector	: Pin
Operating temperature range °C	: -55 to +75

ELECTRICAL SPECIFICATIONS :

Recommended anode resistor (meg ohm)	: 3.3
Minimum anode resistor (meg ohm)	: 2.2
Recommended operating voltage (volts)	: 500
Operating voltage range (volts)	: 450 - 700
Maximum plateau slope (%/100 volts)	: 8
Minimum dead time (micro sec)	: 70
Gamma sensitivity Co60 (cps/mr/hr)	: 45
Tube capacitance (pf)	: 3
Weight (grams)	: 20
Maximum background shielded 50mm Pb + 3mm Al (cpm)	: 30
Maximum starting voltage (volts)	: 400

WALL SPECIFICATIONS :

Areal density (mg/cm ²)	: 40-60
Thickness (inch/mm)	: 0.003/0.076