

**PAN CAKE DETECTOR****TYPE : GM 138****Technical Data**

This is a pan cake detector sensitive to Beta radiation and with window closed can be used for gamma dose rate measurements also. Has large surface window area of 16 sq.cm.

**Application :**

Beta-gamma Contamination monitoring and also for gamma dose rate measurements

This Detector is a part of Beta/gamma pan cake contamination probe which is used with Contamination Monitor, portable as well as with Bench Model. This detector is of Centronic / LND or it's equivalent.

**General :**

Gas filling : Ne + Halogen.  
Cathode Material : 446 SS.

Maximum Length : 3.0 Inches / 76.1 mm.  
Effective Depth : 0.5 Inches / 12.7 mm.  
Maximum Dia : 2.11 Inches / 53.6 mm.  
Effective Dia : 0.61 Inches / 44.5 mm.  
Connector : Grid Cap

Operating temperature : -40 to +75°C.  
range

**Window :**

Areal Density : 1.5 - 2.0.  
Effective Dia : 1.75 Inches / 44.5 mm.  
Material : Mica.

**Gamma Sensitivity :**

60 CPS / mR/hr (Co<sup>60</sup>).

**Operating Characteristics :**

Max. Starting Voltage : 425V + 25V.

Recommended Operating voltage: 500± 25V.

Operating voltage range : 475 - 675V.

Max. Plateau Slope (%100 Volts) : 10. minimum  
anode resistor (m.ohms): 3.3.

