

END WINDOW G.M. DETECTOR

TYPE : GM 120

(in PVC tube with MHV socket)

Technical Data

This is an End window G.M detector of 1cm in dia used for Beta-gamma counting application. It is recommended for college and university teaching lab experiments, in physics/Engineering physics/Nuclear & Radiological physics etc.,

This detector is of Centronic / LND or it's equivalent. It is enclosed in a PVC tube & fitted with MHV socket for applying HV bias.

Window :

Thickness - 1.5 - 2.0 : mg/cm²

Useful diameter - 9 : 0.36

Material : Mica

Cathode :

Thickness - 250 : mg/cm²

Sensitive Length - 39 : mm.

Material : Chrome Iron.

Tube Dimensions :

Outer Diameter - 14.5 mm.

Max. Overall Length - 44 mm.

Gas Filing : Ne+Hal

Gamma Sensitivity : 18 CPS / mR/hr (Co⁶⁰)

Starting Voltage : max 325V ± 25V.

Plateau threshold voltage : max 400V.

Plateau length : 150V.

PVC enclosure tube dimensions :

Outer dia : 25 mm.

Length : 76 mm.

Operating Characteristics :

Recommended Operating voltage : 500V ± 50V.

Plateau slope : ≤ 6%.

