

# AA-D0054



## DOSIMETER RADIATION DETECTOR

### Syllabus:

Sains Tingkatan 3 KSSM

- Bab 8 - Keradioaktifan

Geiger-Miller counting tube (referred to as GM tube) - high sensitivity and high detection range has been widely used in nuclear physics, medical research, environmental monitoring and industrial fields.

### Features :

1. Can detect the type of  $\beta$  (Beta),  $\gamma$  (Gamma), x-ray.
2. Sensor type: GM tube.
3. Relative inherent error  $\leq \pm 10\%$ .
4. Sensitivity: 80cpm /  $\mu\text{Sv}$  / (Co-60).
5. Maximum Dose Equivalent: 99.99 $\mu\text{Sv}$  / h.
6. Using ambient temperature  $-25\text{ }^{\circ}\text{C} \sim +45\text{ }^{\circ}\text{C}$  , relative humidity  $\leq 95\%$  (+45  $^{\circ}\text{C}$  ).
7. Power supply : 2 x AA batteries or micro USB cable charger (Not included)

