

TECHNICAL SPECIFICATIONS

1. Name of Item Portable Radiation survey cum contamination Monitor
2. Radiation Detected : β (Beta) & γ (Gamma)
3. Detector : Pancake GM detector housed inside a cylindrical housing fitted on the bottom side of the instrument. This housing is provided with cap for Beta/Gamma selection.
4. Measurement unit : mR/hr; μ Sv/hr; CPS/CPM
5. Measurement range :
Dose range: 0 – 500 mR/h (or) 0 – 5000. Sv/h
Count rate range : 0 – 99999 CPS (or) 0 – 99999 CPM
6. Range Selection : By push-button switch
7. Indications : LEDs for range for pulse
8. Accuracy : $\pm 20\%$ with ^{137}Cs for dose rate
9. Response Time : Approx. 10 secs.
10. Meter : Analogue meter (65mm wide)
11. Audio : Built-in piezo buzzer provides beeps for every detected pulse and alarm o/p for preset alarms.
12. Power : Alkaline Pencil Cells AA size 1.5V
13. Fault diagnostics: low battery indication hv faults and detector failure are provided on the display
14. Auto Power OFF : After 3 minutes (provided only if mentioned in order)
15. Batt. Check : By Push-button Dimensions
16. **Data Storage:** Can store upto 1000 readings. Store data can be recalled back on to display or transmitted to PC through Micro USB Port.
17. Instrument must be recently calibrated from recognized calibration agency with minimum of 2 years of calibration certificate.

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