

Dolphy Frottis



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A smear-sample contamination meter design for your safety

- Adapted for the measure or the screening for beta surface contamination
- Usable for alpha contamination (if the type of contamination is known)
- Small, sturdy, robust
- Easy to use



Technical characteristics



Detector

Measurement unit : activity on smear-samples 300 square centimeters in area

Detector : GM PANCAKE sensible to beta from 15 keV and alpha from 4.5 MeV

Unity: Bq, c/s

Reference source: Cobalt 60

Sensitivity to α et β : 4.5 c/s Bq/cm²

Display range: from 0 to 199.99 Bq/cm²

Response time: < 1 s for any significant variation between 0 and 23 Bq/cm²

Integration time: Automatic from 0.5 to 60 seconds.



Electrical characteristics:

Power-supply: 9 V Batteries (PP3/6F22/6LR61) Automatic battery direction recognition

Battery-life: 80 hours for activity of 100 Bq



Mechanical and environmental characteristics:

Dimensions: 114 x 72 x 34 mm

Weight: 320 g with battery

IP code: IP54

Application and use

This device is adapted for the measure or the screening for surface contamination of beta rays. It is usable for alpha contamination provided that the type of contamination is known. This contamination monitor makes possible indirect measurements on smear-samples 300 square centimeters in area. However contamination can be measured directly. The steel protective grid protect the detector from shocks and make it a suitable device for on site control. The Dolphy Frottis ensures the control of the cleanliness of installations after decontamination.