



model
RDS 80



Features:

- Wide measurement range: up to 100 000 cps or 100 000 Bq/cm²
- Standard surface contamination measurements in cps or Bq/cm²
- Contamination measurements with histogram function
- Detects gamma and x-rays down to 10 keV typical through the window, 40 keV minimum through the case.
- Visual and audible alarms
- Software for parameter setting, histogram readings and nuclide calibration



RDS-80 Surface Contamination Meter

The RDS-80 Surface Contamination Meter is a versatile contamination detector which has been designed for a wide range of applications in different fields of radiation protection in nuclear industry, rescue and other operations, involving a possibility for abnormal contamination levels.

The Digital, Hand Held Pulse Rate Meter is suitable for personnel who need to locate and detect contaminated surfaces/objects during their work. The functions comprise contamination measurements with alarm functions and automatic conversion to activity value and additionally surface contamination measurement with a possibility to store the histogram events into the meter's internal memory. The use of configuration software (CSW) is required for downloading the data into a PC via IrDA port).

Radiological Characteristics

Radiation detected: alpha >2 MeV, beta >100 keV, gamma and x-rays from 5 keV to 1.3 MeV

Detector: end window GM tube, 1,5-2 cm²; MICA window Ø 4.4 cm (1.74")

Measurement range: surface contamination 1 to 100 000 cps or 0.01 to 100 000 Bq/cm²

Alarm levels: freely adjustable alarm levels for contamination level

Cps linearity: ±15% ±1 digit over the range. The Bq/cm² display is calculated from cps values by multiplying with Isotope coefficient

Functional Characteristics

Display in either cps or Bq/cm²

Surface activity (Bq/cm²) display configurable for different nuclides

Cps follow-up by audible signal with frequency proportional to activity