

Back: Detector



Features:

- Measurement range up to 100,000 CPM or 1,000,000 DPM
- Standard surface contamination measurements in CPM or DPM
- Contamination measurements with histogram function
- Visual and audible alarm
- Handy and easy to use design
- Software for parameter setting, histogram readings and nuclide calibration

RDS-80A Radiation Survey Meter

The RDS-80A 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 potential 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 the ability to store the histogram events into the meter's internal memory

- 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 mg/c2 MICA window
- measurement range: surface contamination 1 to 100,000 CPM or 0.1 to 1,000,000 DPM
- alarm levels: freely adjustable alarm levels for contamination level
- cpm linearity: $\pm 15 \pm 1\%$ DIGIT over the measurement range. The DPM and CPM display is calculated from CPM/DMP values by multiplying with Isotope coefficient
- DPM display in exponent mode if level exceeds 99,999 DPM (e.g. 234,000 = 2.34E5)
- power supply: 2 alkaline batteries IEC LR6/AA size (recommended)

Accessories

- CSW software for parameter setting and histogram readings (download for free at www.mirion.com)
- CSW-Configuration SW full version with calibration key (item no. 1233-246)
- wrist strap
- neck strap

