



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
- visual and audible alarms
- handy and easy to use design
- 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).



health physics

A Mirion Technologies Division

Featuring:



TECHNICAL SPECIFICATIONS:	
Radiological Characteristics	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 visual and audible alarm: user settable for surface activity histogram capability of up to 480 points with user settable logging interval backlit display with six large digits built-in self diagnostics gamma background reduction for Bq/cm² measurements Built-in infra-red port (IrDA)
Electrical Characteristics	<ul style="list-style-type: none"> power supply: 2 alkaline batteries IEC LR6/AA size (recommended) battery life time: at least 2000 hours at normal background with alkaline cells (more than 1 year under normal operation) battery alarm: two-step alarm for low battery voltage electromagnetic compatibility: CE compliant
Mechanical Characteristics	<ul style="list-style-type: none"> rugged plastic case dimensions: 78 x 126 x 57 mm weight: 280 g without batteries, 330 g with batteries
Environmental Characteristics	<p>Temperature range:</p> <ul style="list-style-type: none"> -25...+55°C operational (-13... 131°F) -40...+70°C storage (-40... 158°F) protection level IP67 (temporary immersion / floating device)
Accessories	<ul style="list-style-type: none"> CSW software for parameter setting and histogram readings (can be downloaded free of charge at www.mirion.com) CSW-Configuration SW full version with calibration key (item no. 1233-246) wrist strap neck strap



www.mirion.com
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