Model RDS-31

Radiographic Survey Meters

model
RDS 31

Features:

- H*(10) ambient dose equivalent dose and dose rate
- Existing GMP-series external detectors can be used with adapter
- New ergonomic design
- Large screen, configurable backlight with automatic illumination control
- High impact durable case construction, IP-67 immersion proof
- Internal memory to store measurements
- Flexible histogram functions
- Firmware of instrument upgradable through cable link
- Configurable short cut functions

RDS-31

The new RDS-31S/R Multi-purpose Survey Meter continues the line of RADOS survey meters offering modern design and approach to radiation monitoring. RDS-31 is a small hand held, battery operated survey instrument using an energy compensated GM-tube as primary detector. Due to its versatile functions and durability it is suited for a wide range of applications in civil defense, industrial and laboratory use etc.

RDS-31 is featuring excellent ergonomics; light weight and easy to handle, with visual and audible alarms and internal vibrator. The large LCD with Energy Save Backlight is well visible even in sunny conditions due to the illumination
control.

External probes of GMP-12 series, GMP-11/15 and Multirad LLR probes: TGS, Alpha 125 and Alpha Wound can be
connected to RDS-31 by cable or by additional adapter extending the capabilities of the instrument. User protection while using external probe by measuring simultanously instrument dose rate.

Radiological Characteristics

Radiation detected: gamma and X-rays, 48keV...3MeV. Alpha, Beta radiation with an external probe

Detectors: one energy-compensated GM tube, energy response according to ambient dose equivalent H*(10)

Dose rate measurement range: 0.01 µSv/h to 0.1 Sv/h or 1 µrem/h to 10 rem/h

Dose measurement range: 0.01 µSv to 10 Sv or 1 µrem to 1000 rem

Resolution: three signi" cant digits or 0.01 µSv/h on dose rate and 0.01 µSv on dose (1 µrem/h on dose rate and 1 µrem on dose)

Calibration accuracy: ± 5%, 137Cs , calibration direction and in the calibration " eld, temperature +20 °C (68°F)

Dose rate linearity: ± 15% ± least signi" cant number 0.05 µSv/h to 0.1 Sv/h (5 µrem/h to 10rem/h)

Variation of the response due to photon radiation energy

PROTECTION Begins with Detection

Arrow-Tech

www.dosimeter.com