



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 simultaneously instrument dose rate.

Radiation detected: gamma and X-rays, 48keV to 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 $\mu\text{Sv/h}$ to 0.1 Sv/h or 1 $\mu\text{rem/h}$ to 10 rem/h
- dose measurement range: 0.01 μSv to 10 Sv or 1 μrem to 1000 rem
- resolution: three significant digits or 0.01 $\mu\text{Sv/h}$ on dose rate and 0.01 μSv on dose (1 $\mu\text{rem/h}$ on dose rate and 1 μrem on dose)
- calibration accuracy: $\pm 5\%$, 137Cs , calibration direction and in the calibration field, temperature $+20\text{ }^\circ\text{C}$ (68 $^\circ\text{F}$)
- dose rate linearity: $\pm 15\% \pm$ least significant number 0.05 $\mu\text{Sv/h}$ to 0.1 Sv/h (5 $\mu\text{rem/h}$ to 10rem/h)
- variation of the response due to photon radiation energy and angle of incidence: (R E,A)
71% < RE,A < 160% (48 keV...3 MeV); $\pm 60^\circ$
- power supply: 2 AA size batteries (alkaline or NiMH)