## Specifications

**Radiation detected:** gamma and x-rays

**Detector type:** energy compensated Si-Diode

**Measurement range:**
- dose: 0.000 - 999.999 mSv or 0.000 - 999.999 rem
- dose rate: 0.005 - 3000 mSv/h or 0.001 - 300 rem/h

**Calibration:** better than ± 5 % (Cs-137, 662 keV at 2.0 mSv/h), Hp(10)

**Energy response:** Hp(10), 60 keV - 3 MeV, better than ± 25 % or 60 keV up to - 6 MeV, better than ± 35 %

**Dose rate linearity:** better than ± 10 % up to 1 Sv/h or 100 rem/h and better than ± 20 % up to 3 Sv/h or 300 rem/h

**Audible alarms:** nine separate alarms, sound level typically 80 dBA at 30 cm
- integrated dose
- dose rate
- dose and dose rate overflows
- low battery 1 and 2
- elapsed time
- defect
- count down alarm

**Alarm thresholds:** five freely selectable values for integrated dose for sequential alarm (in steps of 0.001 mSv or rem); one freely presettable value for dose rate (in steps of 0.001 mSv/h or rem/h) all values set through reading system

**Power supply:** one triple-A size alkaline cell, life typically 1500 h in background field (dose mode)

**Reader communication:** by infrared through bottom part; compatible with RADOS 85-series reading systems

**Push button functions:** secondary measuring units and active alarm levels display via push button operation

**Environmental conditions:** -10 - +50 °C up to 90% RH, non-condensed, operational
- 20 - +70 °C, storage

**Dimensions:** 78 x 67 x 22 mm

**Weight:** 90 g including battery