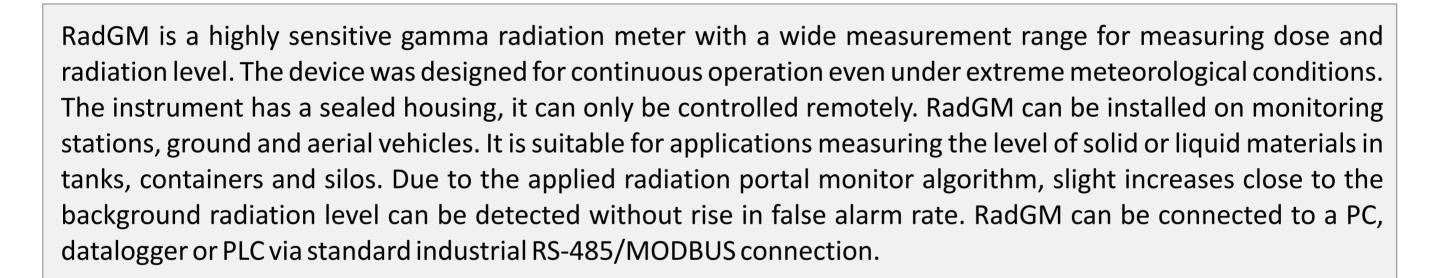


PLACES OF APPLICATION

- Nuclear facilities
- Radiation monitoring
- Environmental survey
- Mobile monitoring systems
- Process control: level-, concentration-, density measurement

FEATURES

- Environmental dose rate measurement,
 H*(10) measurement
- High sensitivity
- Wide measuring range
- Quick operation
- Full parameter programming
- Excellent reliability, self-diagnostics
- Adjustable fixed and dynamic alarm thresholds
- Dose rate dependent signal output for audible or visual signals
- Configurable outputs for warning and alarming purposes
- Input for acknowledging alarms



Technical parameters

Sensor

One or two GM tubes

Nuclear parameters

according to IEC 61017

environmental dose equivalent $H^*(10)$ and environmental dose rate equivalent $H^*(10)$

Measurement range

Two GM tubes: 60 nSv/h ... 100 Sv/h (-15% ... +22%) One GM tube: 60 nSv/h ... 20 mSv/h or

10 mSv/h... 100 Sv/h (-15% ... +22%)

Dose: 50 nSv ... 1000 Sv

Indication range

40 nSv/h ... up to 120 Sv/h

Energy range

50 keV ... 1.5 MeV

Energy dependence

< ±30% in the effective energy range (83 keV ... 1.5

Angular dependence

 $< \pm 30\%$ 2 π solid angle

Set-up time

5 s

Measuring time

Continuous, 2 s ... 3600 s

Manually started measurement

(with software): user initiated measurement with adjustable measurement time. Storage and query of measurement data.

Self-diagnostics, automatic recovery after the error is eliminated.

Communication

RS-485, max 115200 Bps speed (MODBUS protocol)

Number of devices on one cable max. 32

Calibration and test

Through remote access

Power supply

9 VDC ... 32 VDC

Power consumption

12VDC @ 45 mA (540 mW)

Energy saving mode, after initiating a manually started measurement: 12VDC @ 5 mA (60 mW)

Operational temperature range

-40 °C ... +65 °C

Ingress protection

Sealed housing, IP67

Dimensions, weight:

HxWxL 150x125x90 mm, 0.78 kg

Software (optional)

Windows based software for querying instrument data, settings and control.

