

NEO



Wireless radiation meter with radio transmitter
Monitoring of the dose rate or the ambient dose equivalent

- Ability to display the measurements of 5 radiation meters
- Controls, protects and informs the exposed workers
- Possibility of PC online or offline recording of the information from each device
- Can record up to 20 000 dose rate measurements

Review date: 21th July 2017



Technical characteristics



Detection characteristics

Detector : Energy compensated Geiger Müller from 33 keV to 1.25 MeV

Unit: mSv/h

Reference source: ^{137}Cs

Sensitivity: 0.7 cps / $\mu\text{Sv/h}$ for the ^{137}Cs

Display range:

Ambient dose equivalent rate: from 0.001 mSv/h to 160.00 mSv/h

Ambient dose equivalent: from 0.0001 mSv to 99 999 mSv

Effective measurement range: from 0.01 mSv/h to 160 mSv/h

Response time: < 2 s during a significant variation



Radio transmission characteristics

Transmission frequency: 433.92 MHz

Transmission power: 10 mW maximum



Mechanical and environmental characteristics

Dimension: 120 x 65 x 22 mm

Weight: 180 g with battery

Alarm sound level: 85 dBA at 30 cm

Protection class: IP54



Electrical characteristics

Power supply: 9 V battery

Battery life: 20 hours for a dose rate < 1 mSv/h (radio communication working, without alarm and without backlight)



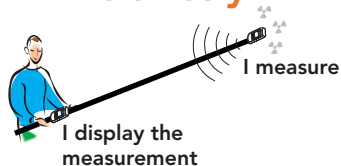
Application & use

Allows for the remote control of integrated doses during risky operations.

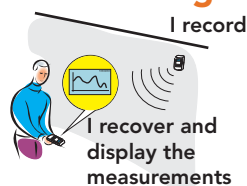
Ability to record and recover data.

Usable as a mobile supervision station during an emergency intervention allowing up to 5 operators to stay connected.

Telemetry



Recording



Remote monitoring



Options

Nemedio (communication /PC interface)

Pole to facilitate the hot spot contact measurements, at 0.5 m and 1 m

Recording stand allowing long-term measurements

Battery kit, mounting kit, remote sensor, telescopic pole