

# RN Responder Kit

All in one emergency radiation measurement kit



Emergency responder task forces use the RN - first responder kit in emergency situations to facilitate detection and measurement activities in areas difficult to access. Fully equipped handheld case containing devices for dose rate measurements, personal dosimetry, and contamination detection. The number of each equipment can be customized as required.

## Benefits

- Easily transportable all-in-one case
- Contamination measurement
- Dose rate monitoring
- Personal active dosimetry

## Key figures

170 cm<sup>2</sup>

↳ Large contamination monitoring area

10 μSv/h up to 1 Sv/h

↳ Dose rate meter range

0.1 μSv/h - 1.0 Sv/h

↳ Active dosimetry dose-rate range



## CoMo

CoMo 170 is one of the most modern instruments in the field of surface contamination monitors. A key advantage of the CoMo-170 is the innovative detector technology, which does not use any gas-flow or gas-filled detectors. A thin-layer plastic scintillation detector is used. This type of detector is both  $\alpha$ - and  $\beta$ - $\gamma$  sensitive. In case of mechanical damage of the detector foil, the detector does not have to be repaired by the manufacturer.

- User friendly and intuitive to use
- Large graphic display
- Variety of optional external detectors add versatility
- Multi-purpose device for variety of applications

### Technical specifications



## DoIMo

The DoIMo I with its integrated GM counter tube is specialized for applications in the low dose rate measurement range of  $1 \mu\text{Sv/h}$  up to  $100 \text{ mSv/h}$  (45 KeV - 1,3 MeV). The dose rate is simultaneously displayed to the cumulated dose.

### Technical specifications



## GPD150

The GPD150 has a similar function as the DoIMo with a more compact design to be worn as a personal electronic dosimeter. The basic performance are show below:

<b>Dose measuring range</b>	$1 \mu\text{Sv} - 10 \text{ Sv}$
<b>Dose rate range for dose measurement</b>	$0,1 \mu\text{Sv/h} - 1,0 \text{ Sv/h}$
<b>Energy range</b>	$55 \text{ KeV} - 1,3 \text{ MeV}$
<b>Dose rate alarm threshold</b>	$25 \mu\text{Sv/h} - 1 \text{ Sv/h}$ (cannot be switch off or acknowledged)
<b>Temperature range</b>	$-20^\circ\text{C}$ to $+60^\circ\text{C}$
<b>Power supply</b>	2 batteries 1.5V (type AAA)
<b>Acoustic alarm</b>	Approx. 80 db(A) in 30 cm distance
<b>Dimensions</b>	Approx. 59 x 71 30/17 cm
<b>Weight (battery included)</b>	Approx 110 g.

### Technical specifications

