

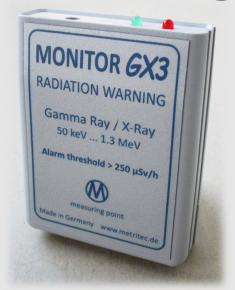
### Personal Radiation Alarm

# **MONITOR GX3**

Personal Protection

#### **Features**

visual and acoustic warning function rising pulse rate with increasing dose rate continuous alarm above 250 µSv/h powered by a single AA alkaline battery battery warning self-test during power-up



Art.-No. 01-0703



pocket clip on the back

#### **Technical Data**

radiation detected	Camma and V ray		
radiation detected	Gamma and X-ray		
energy range	50 keV 1.3 MeV		
detector	Geiger-Mueller tube		
sensitivity	10 μSv/h		
dose rate alarm threshold	> 250 μSv/h		
acoustic warning signal	> 82 dB		
red LED light	indication of pulses		
green LED light	power-up phase		
ready signal	acoustic, 1 bleep/90 sec		
powered by battery	1.5V alkaline AA (LR6)		
operating time at background radio	ation 2 years		
ambient background radiation	on ~ 1 pulse/min		
temperature range	-20 °C to +40 °C		
housing	plastic		
dimensions	72 x 56 x 18 mm		
weight incl. battery	65 g		

01-0703 Monitor GX3 EN.20220922



## **Operating Instructions**

The MONITOR GX3 personal radiation detector is a reliable warning instrument for ionizing radiation. Gamma and X-ray radiation is detected by the integrated Geiger-Mueller (GM) tube.

lonizing radiation is indicated both visually and acoustically by a red LED and a buzzer. With increasing dose rates the warning signals become more frequent. The dose rate warning threshold for the continuous alarm is factory set to  $250 \,\mu\text{Sv/h}^*$  (25 mR/h\*).

Exceeding the alarm threshold is indicated by a continuous light and a loud continuous tone: Please then leave the radiation field immediately until the continuous alarm stops!

	• •	Radiation detection signal	Indication	
	<b>\( \)</b>	flashing intermittendly	low radiation	
<b>(</b> ))	<b>\</b>	bleeping intermittendly	dose rate >10 μSv/h*	
<b>(</b> ))	<b>\( \)</b>	continuous alarm tone	dose rate >250 μSv/h*	

The MONITOR GX3 is simply enabled by inserting the battery. During power-up, a self-test is performed. After that, a ready signal every 90 seconds indicates that the warning function is active. To check the device, remove the battery and wait at least 15 seconds before reinserting the battery.

When low battery warning is given, insert a new 1.5 volt AA alkaline battery.

•	• •	Operating signal		Indication
	<b>\(\frac{1}{2}\)</b>		1x	power-up phase, unit self-test OK
<b>■</b> >>	<b>\( \)</b>		1x	battery check OK
<b>()</b>	*		∞	low battery  → replace battery
<b>◆</b> >>	<b>\( \)</b>		∞	wrong battery type
<b>◄</b> >>			∞	misplaced battery
<b>()</b>	<b>\(\Delta\)</b>		∞	defective GM tube

<sup>\*</sup> Important note: The nominal dose rate values are subject to variations and tolerances. This monitor is not a measuring device. It is not designed for dosimetric measurement tasks.