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輻射偵測警報儀

廠牌: 德國 GRAETZ

型號: GPD100

特性: 本機型為數字顯示兩用型, 同時兼具輻射劑量率偵檢 $\mu\text{Sv/h}$, mSv/h , Sv/h (周遭環境輻射立即偵測顯示) 及累計輻射劑量值警報顯示 μSv , mSv , Sv , 功能強, 精度高.

本體規格:

1. 劑量值測量範圍: $5 \mu\text{Sv}$ to 10Sv , 精度 $<10\%$.
2. 劑量值顯示範圍: $1 \mu\text{Sv}$ to 10Sv
3. 劑量率顯示範圍: $0.1 \mu\text{Sv/h}$ to 1Sv/h
4. 劑量率測量範圍: $30 \mu\text{Sv/h}$ up to 1Sv/h , 精度 $<15\%$
5. 能量範圍: 48keV to 2MeV
6. 劑量值警報基準: 從 $1 \mu\text{Sv}$ to 10Sv , 可自由設定四段基準警報
7. 劑量率警報基準: 從 $7.5 \mu\text{Sv/h}$ to 1Sv/h , 可自由設定四段基準警報
8. 操作溫度範圍: -20°C up to $+60^\circ\text{C}$
9. 電池壽命: AA 3 號電池二個, 可連續使用約 1000h.
10. 認可單位: 德國聯邦標準局 PTB 檢驗單位認可.
11. 外形尺寸: $120 \times 65 \times 22 \text{mm}$ (without clip).
12. 重量: approx. 130g (without clip)

Electronic dosimeter GPD 100 with alarm function

- for measuring gamma radiation and X-rays
- PTB-approved
- simple and clear operation
- high measurement accuracy
- simultaneous digital display of dose and doserate
- 4 free programmable dose alarm thresholds
- 4 free programmable doserate alarm thresholds
- additional acoustic single-pulse indication (bleeper function)
- storage of dose value and set alarm thresholds also during battery replacement
- continuous self-monitoring and test functions ensure high reliability
- splash-proof acc. to protection class IP 54
- uses 2 standard Mignon-cells 1,5V IEC R6



Dose measuring range	5 μ Sv - 10 Sv ; guaranteed error limit < 10%
Dose indication range	1 μ Sv - 10 Sv
Doserate range for dose indication	up to 1 Sv/h
Doserate measuring range	30 μ Sv/h - 1 Sv/h; guaranteed error limit < 15%
Doserate indication range	0,1 μ Sv/h - 1 Sv/h
Energy range	48 keV - 2 MeV
Dose alarm thresholds	4, free programmable 1 μ Sv - 10 Sv
Doserate alarm thresholds	4, free programmable 7,5 μ Sv/h - 1 Sv/h
Temperature range	-20 °C up to +60 °C
Battery life	approx. 1000 h (at background radiation - bleeper function off)
Dimensions	120 x 65 x 22 (mm)
Weight	approx. 130 g (without batteries)