

ALARMING POCKET DIGITAL DOSIMETER

口袋数字报警剂量计

Model # PDA-200 + mR

Model # PDA-200 + Sv

FEATURES: 特色

- 4 DIGITS TO 200.00 mR
- 4 位数-200.00 mR
- DOSE AND DOSE RATE
- 剂量和剂量率
- 700 HOUR BATTERY LIFE
- 700 小时电池寿命
- AUDIBLE AND VISUAL READOUT
- 声音&视觉读数
- LCD CONTINUOUS DISPLAY
- LCD 显示器
- TRULY POCKET SIZE
- 真实口袋大小
- BUILT IN MEMORY
- 内置存储器



DESCRIPTION: PDA-200+ accurately records dose rate and total exposure and by emitting a "beep" and "flash" at each 0.01 mR of exposure and gives audible/visual indication of rate as well as an accurate record of dose. When the alarm set-point is reached, a long beep and flash occurs. The PDA-200+ is completely digital, thus eliminating the inaccuracy inherent in any analog system. Recessed and tool-accessible dose-reset prevents unauthorized or accidental erasure of exposure history. The PDA-200+ is lightweight (3.5 oz.) and truly pocket size. Battery is available from outside case.

描述: PDA-200+精确测量剂量率和总剂量, 每 0.01 mR 辐射量发出一次“滴滴”声并闪一次, 剂量率也有进行声音/视觉指示, 精确总剂量记录也如此。当辐射达到设定点值, 发出长蜂鸣音并闪烁一次。此仪器完全数字化, 因此无模拟系统中存在的欠精确缺陷。内凹和用工具才能设定的剂量重设以防未经授权或意外删除辐射暴露历史记录。此仪器轻量近 3.5 盎司, 口袋大小, 外壳带电池槽。

LED battery check indicates when less than 8 hours of battery life remains. Memory of dose is retained for at least 20 hours even with "dead" battery.

当电池寿命小于 8 小时时, LED 电池检测指示工作。即使在电池完全耗电情况下剂量记录保留 20 小时。



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SPECIFICATIONS 规格

- Range: Dose Rate (10 μ R/hr to 10 R/hr) 0.1 μ Sv/h to 99.99 mSv/h
- 量程: 剂量率(10 μ R/hr to 10 R/hr) 0.1 μ Sv/h to 99.99 mSv/h
- Range: Total Dose (0 μ R to 10 R) 0.0 μ Sv to 99.99 mSv
- 量程: 总剂量 (0 μ R -10R) 0.0 μ Sv-99.99mSv)
- Alarm Levels: (Rate) (25 μ Sv/h) 2.5 mR/hr (Dose) (50 μ Sv), 5 mR
- 报警值: (率) (25 μ Sv/h) 2.5 mR/hr (剂量) (50 μ Sv), 5 mR
- Sound Levels 80 db at 30 cm
- 音量: 30cm 80 分贝
- Controls:
- 控制:
 - Front panel controls: Power on-off, alarm level set
 - 前板控制: 电源开-关, 报警值设置
 - Protected controls: Dose reset, calibrate
 - 保护控制: 剂量重设, 标定
- Readout: LCD solid state, in-line, 4 digits
- 读数: 固态 LCD, 在线, 4 位数
- Beep/Flash Rate: 1 beep/flash per .01 mR or per 0.1 μ Sv
- 蜂鸣/闪灯率: 每.01 mR 或 每 0.1 μ Sv 蜂鸣一次/闪灯一次
- Battery: 2 each Standard AA cells, 700 hour normal operating life at 0.1 mR/hr. Low battery indicator at 2.7 volts.
- 电池: 2 节 AA 标准电池, 在 0.1 mR/hr 下正常操作 700 小时。2.7V 低电指示
- Accuracy: Better than \pm 0.01 mR (measured with Cs-137 Gamma)
- 精度: 优于 \pm 0.01 mR (用 Cs-137 γ 测量)
- Energy Independence: Energy compensated GM tube. \pm - 15% from 80 KeV to 1.3 MeV. Response from 40 KeV up.
- 无能力依赖: 能力补偿 GM 管 \pm - 15% 从 80 KeV 到 1.3 MeV, 对 40KeV 及以上能力响应。
- Linearity: Linear to rates up to 20 R/hr
- 线性: 剂量率线性化达 20 R/hr
- Anti Saturation: Does not saturate at 1,000 R/hr
- 抗饱和电路: 在 1,000 R/hr 下不饱和
- Pocket Clip-belt: Heavy duty spring loaded
- 带卡: 结实弹簧卡
- Case: High impact, injection molded ABS
- 外箱: 超小巧, 注塑 ABS
- Dimensions: 2.2" W x 3.6" L x 0.75" Thick (55 x 92 x 18 mm)
- 尺寸: 55 x 92 x 18 mm
- Weight: 3.5 oz, (100g) including battery



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- 重量: 3.5oz, 包括电池
- Response Time: 3.6 seconds for $6\mu\text{Sv/h}$ and above 36 seconds below $6\mu\text{Sv/h}$ (0.6 mR/h),
- 响应时间: $6\mu\text{Sv/h}$ 3.6 秒, $6\mu\text{Sv/h}$ 以下在 36 秒以上(0.6 mR/h),
- Memory: Memory retention up to 2 years. And 20 sec. retention during battery replacement.
- 记忆: 数据记忆保持 2 年, 换电池时为 20 秒
- Temperature $\pm 10\%$ from -10°C to 50°C , 0-95% RH
- 温度: $\pm 10\%$ 从 -10°C 到 50°C , 0-95% RH
- Current Drain – Stand-by: 130 MicroAmp
- 漏电-待机时: 130 微安
- - Power-on: 665 MicroAmp
- 电源开时: 665 微安



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