

ALARMING POCKET DIGITAL DOSIMETER

Model ~ PDA•200 +

FEATURES:

- DIGITS TO 200.00 mR
- DOSE & DOSE RATE
- 700 HOUR BATTERY LIFE
- AUDIBLE INDICATOR
- VISUAL READOUT
- AUDIO & VISUAL ALARM
- LCD CONTINUOUS DISPLAY
- POCKET SIZE
- BUILT-IN MEMORY



PDA-200+

DESCRIPTION:

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



TECHNICAL ASSOCIATES
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Divisions of



US NUCLEAR CORP

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SPECIFICATIONS

Range: Dose Rate:	0.1 μ Sv/h to 99.99 mSv/h (10 μ R/hr to 10 R/hr)
Range: Total Dose:	0.0 μ Sv to 99.99 mSv (0 μ R to 10 R)
Alarm Levels Rate:	2.5 mR/hr (25 μ Sv/h)
Alarm Levels Dose:	5 mR, (50 μ Sv)
Sound Levels:	80 db at 30 cm
Controls:	Front panel controls: Power on / off, alarm level set Protected controls: Dose Reset, Calibrate
Readout:	LCD solid state, in-line, 4 digits
Beep / Flash Rate:	1 beep/flash per .01 mR or per 0.1 μ Sv
Battery:	2 AA cells, 700 hour Normal operating life at 0.1 mR/hr.
Low Battery Indicator:	At 2.7 volts.
Accuracy:	Better than ± 0.01 mR (137 Cs Gamma)
Energy Independence:	Energy compensated GM tube. $\pm 15\%$ from 80 KeV to 1.3 MeV. Response from 40 KeV up.
Linearity:	Linear to rates up to 20 R/hr
Anti Saturation:	Does not saturate at 1,000 R/hr
Pocket Clip•Belt:	Heavy duty spring loaded
Case:	High Impact, Injection Molded ABS
Response Time:	3.6 seconds for 6 μ Sv/h Above 36 seconds below 6 μ Sv/h (0.6 mR/h)
Memory:	Memory retention up to 2 years. 20 hours. Retention with dead battery or during battery replacement.
Temperature:	$\pm 10\%$ from -10° C to 50° C, 0•95% RH

WEIGHT & DIMENSIONS:

Dimensions:	2.2" W x 3.6" L x 0.75" Thick (55 x 92 x 18 mm)
Weight:	3.5 oz, (100g) including battery



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