

ALARMING POCKET DIGITAL DOSIMETER

Model # PDA-200 +

FEATURES:

- 4 DIGITS TO 200.00 mR
- DOSE AND DOSE RATE
- 700 HOUR BATTERY LIFE
- AUDIBLE AND VISUAL READOUT
- LCD CONTINUOUS DISPLAY
- TRULY POCKET SIZE
- BUILT IN MEMORY



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.

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.

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) **(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

TA TECHNICAL ASSOCIATES

7051 ETON AVENUE, CANOGA PARK, CA 91303
TELEPHONE (818) 883-7043 • FAX (818) 883-6103
e-mail: tagold@nwc.net • www.tech-associates.com

SPECIFICATIONS

- 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 each Standard 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 (measured with Cs-137 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
 - 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
 - Response Time:** 3.6 seconds for 6μ Sv/h and above 36 seconds below 6μ Sv/h (0.6 mR/h)
 - Memory:** Memory retention up to 2 years. And 20 sec. retention during battery replacement.
 - Temperature** $\pm 10\%$ from - 10 ° C to 50 ° C, 0-95% RH

TA TECHNICAL ASSOCIATES

7051 ETON AVENUE, CANOGA PARK, CA 91303
TELEPHONE (818) 883-7043 · FAX (818) 883-6103
e-mail: tagold@nwc.net · www.tech-associates.com