## **Model DMC 3000**

Personal Electronic Dosimeter



**DMC 3000** model MG-153503

## Features:

- Loud alarm, 85 dB (A) typical, (> 90 dB (C) peak)
- Vibrating alarm
- Highly visible backlit display
- Optional telemetry module
- Factory upgradable firmware
- Simple 2-button navigation
- Extended dose rate alarms
- Dual ultra bright LED alarm
- Superior X-ray and gamma energy response
- Meets or exceeds applicable IEC and ANSI standards
- Designed for ruggedness and durability

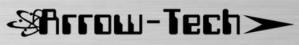


## **DMC 3000**

Covering a wide range of X-Ray and Gamma radiation detection, DMC 3000 Electronic Dosimeter represents over 25 years of real-world electronic dosimetry experience, continually refined through customer feedback.

The unique, high contrast and backlit LCD display provides a clear indication of wearer's dose and ambient dose rate for deep dose equivalent. More importantly, multiple methods (audible, visual, and tactile) are utilized to alert the wearer of alarm conditions.

- Compliant with IEC 61526Ed. 3, ANSI 42.20(\*)
  (\*) isotropy 241Am and 137Cs with ± 75° angle
- Measurement and display: X and gamma energy range: 15 keV to 7 MeV; Energy response better than ± 20% (typically ± 10%) from 16 keV to 7 MeV
- Accuracy Hp(10):  $\leq$  ± 10%\* (137Cs,  $\sim$  24 mSv/h);  $\leq$  ± 15%\*, (241Am,  $\sim$  23 mSv/h);  $\leq$  ± 19%\*\* X-ray 16keV (\*including ± 5% extended uncertainty k=2); (\*\* including ± 9% extended uncertainty k=2)
- Display units: mSv, μSv, or mrem
- Display dose: 1 μSv to 10 Sv (0.1 mrem to 1000 rem)
- Display rate: 10 μSv/h to 10 Sv/h (1 mrem/h to 1000 rem/h) or 1 μSv/h to 10 Sv/h (0.1 mrem/h to 1000 rem/h) extended option.
- Measurement range: 1 μSv to 10 Sv (0.1 mrem to 1000 rem) 0.1 μSv/h to 20 Sv/h (0.01 mrem/h to 2000 rem/h), Saturation indication above 10 Sv (1000 rem) or 10 Sv/h (1000 rem/h)
- Dose Rate Linearity: < ± 20% up to 10 Sv/h (1000 rem/h) (Co and X H30 20 keV); < ± 20% up to 6 Sv/h (600 rem/h) (Pulsed X-rays 20 ms width, 1, 10 & 20 pps)</li>
- Standard AAA (LR03) 1.5 V Alkaline battery



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