

Beta Module Hp(0,07) for DMC 3000

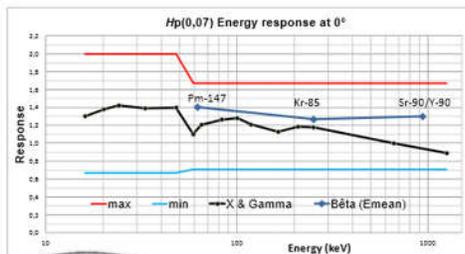
Personal Electronic Dosimeter



DMC 3000 -
w/Beta Module
Hp(0,07)

Features:

- Dose and dose rate Hp(0,07) displayed
- Connect and ready for use - powered by the DMC 3000
- High efficiency beta measurement
- Superior Hp(0,07) energy response
- Meets or exceeds applicable IEC and ANSI standards
- Excellent EMC Immunity
- Designed for ruggedness and durability
- Module attaches to DMC 3000 (sold separately)



Beta Module Hp(0,07) for DMC 3000

The Beta Module provides operational dosimetry for hospital personal, first responders, and radiation workers where there is a Beta radiation risk. The add-on Beta Module attaches to the DMC 3000 dosimeter is able to measure Hp(0,07) radiation at a wide range of energy levels.

The Hp(0,07) and beta measurements, display and alarms are highly visible on the DMC 3000's LEDs and high contrast backlit LCD display.

Powered by the DMC 3000, the add-on module does not require any supplementary battery and remains operational over 1800 hours in the continuous use. Calibration and functional parameters are stored in the module.

- Compliant with IEC 61526Ed. 3, ANSI 42.20(*)
(*) isotropy 241Am and Cs137 with $\pm 75^\circ$ angle
- Measurement and display: X and gamma energy range: 15 keV to 7 MeV at 0° ; Beta $E_{\text{mean}} > 60$ keV (E_{max} : 0.22 MeV to 2.3 MeV)
- Accuracy Hp(0,07) - $\leq \pm 5\%^*$ (Cs-137, ~ 24 mSv/h, 2.4 rem/h); - $\leq \pm 10\%^*$, (Am-241, ~ 23 mSv/h, 2.3 rem/h); - $\leq \pm 10\%^{**}$ X-ray 16keV (*without $\pm 5\%$ extended uncertainty $k=2$) ; (** without $\pm 9\%$ extended uncertainty $k=2$)
- Responses: Relative Hp(0,07) Beta response of Pm-147, Kr-85 and Sr-90/Y-90 within $\pm 20\%$ (*) Hp(0,07) X and gamma response within $\pm 20\%$ (*) from 16 keV to 7 MeV (*) in reference to the typical curve shown on graph
- Dose Rate Linearity: $< \pm 20\%$ up to 10 Sv/h, 1000 rem/h
- Display of Hp(0,07) measurement

