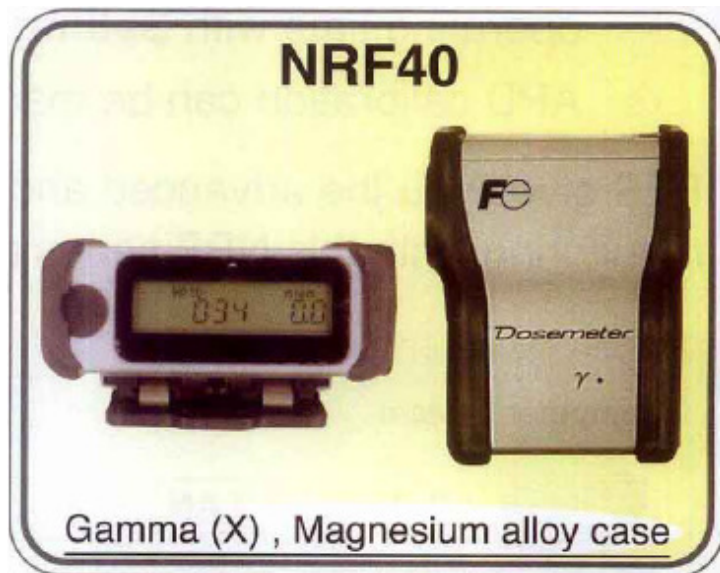


ELECTRONIC PERSONAL DOSIMETER

Model # NRF40

FEATURES:

- ADVANCED RADIOLOGICAL PERFORMANCE (50 KeV to 6 MeV GAMMA)
- MEASUREMENT AND DISPLAY IN REAL TIME
- AUDIO AND VISUAL ALARM
- EASY TO SEE WITH LED BACKLIGHT
- SELF-DIAGNOSIS FUNCTION
- COMPACT AND LIGHTWEIGHT
- LONG BATTERY LIFE- 1 YEAR WITH 8 HOURS USE A DAY OR FOUR MONTHS CONTINUOUS USE.
- ALSO AVAILABLE FOR BETA AND NEUTRON
- IN ACCORDANCE WITH MOST ASPECTS OF IEC 61526(1998), JIS Z 43212 (2004), AND ANSI 42.32 (2003).



The Dosimeter complies with the following standards:
JIS Z4312 (2002), IEC 61283 (1995), IEC 61526 (1998), IEC 61525 (1996), IEC61000-4-2/3

ELECTRONIC PERSONAL DOSIMETER

Model # NRF40

Model NRF-40 with Magnesium Alloy Case	
Radiation detected	Gamma(X)-ray (Hp(10))
Detector	Silicon semiconductor
Ranges for dose equivalent	(Sv) 0 μ Sv to 999 μ Sv 1.000mSv to 999.9mSv 1.000Sv to 999.9Sv (rem) 0.0mrem to 999.9mrem 1.0rem to 999.9rem
Relative error of indication	+/- 10% (0.1mSv to 9.999Sv ¹³⁷ Cs)
Energy range	50keV to 6MeV
Energy response	+/- 30% (50keV to 6MeV, ¹³⁷ Cs)
Angular response	+/- 20 % (Up to +/- 60 degree, vertical and horizontal ¹³⁷ Cs) +/- 50 % (Up to +/- 60 degree, vertical and horizontal ²⁴¹ Am) +/- 30 % (all around horizontal ¹³⁷ Cs free air)
Linearity of dose rate	+/- 10% (0.1mSv/h to 9.999Sv/h, ¹³⁷ Cs)
Display	LCD (with backlight)
Alarm volume	85dB to 100dB
Communication method	Infrared Communication
Ambient temperature	-20 to 50C
Ambient humidity	40 to 95% Non-condensing
Power supply	"CR123A" battery x 1
Battery life	For 1 year or more (8 hours use per day, without alarm and backlight) Or 4 months or more continuous use
Size	62W x 82H x 33D mm (excluding clip)
Mass	115g approx (including battery and clip)