

Electronic Personal Dosimeter

NRF50



| All-in-One Dosimeter

| Color Backlight

| Emergency Call Button

| Large Display

Specifications

[Standard]	Compliant with IEC61526 and ANSI N42.20
[Radiation Measured]	X-rays and Gamma radiation Hp(10)
[Detector]	Silicon semiconductor
[Measurement Range]	Dose : 1 μ Sv to 10 Sv (0.1 mrem to 1000 rem) Dose rate : 0.1 μ Sv/h to 10 Sv/h (0.01 mrem/h to 1000 rem/h) for dose measurement
[Display Range]	Dose : 1 μ Sv to 10 Sv (0.1 mrem to 1000 rem) Dose rate* : 1 μ Sv/h to 10 Sv/h (0.1 mrem/h to 1000 rem/h)
[Energy Response]	± 20 % (50 keV to 6 MeV)
[Angular Response]	± 20 % (^{137}Cs , 0 to 75 degree) , ± 50 % (^{241}Am , 0 to 75 degree)
[Accuracy]	± 10 % (^{137}Cs)
[Dose Rate Linearity]	± 10 % (^{137}Cs)
[Display]	Dot LCD (128 x 48 dot) View area 43.5 x 16.3mm (1.71 x 0.64 in) with 3color backlight (white,red,orange)
[LED]	Flash LED x 3 (red) Auxiliary LED x 3 (red, green, orange)
[Buzzer]	Piezoelectric buzzer (90 to 100 dB at 30 cm)
[Communication]	Electromagnetic induction, Infrared, USB, Bluetooth, 900 MHz radio or Wi-Fi (selectable)
[Data Storage]	Trend Data (Historical data) : Up to 4000 data (Date/time, Dose, Dose rate, Status) Entry/Exit data : Up to 1000 data
[Battery]	Primary, AA(LR6) battery x 2
[Battery Life]	Continuous use 2500 hours (without alarm / communication)
[Operating Temperature]	- 10°C to 50°C (14°F to 122°F)
[Operating Humidity]	Up to 95 %RH
[Water Proof]	IP65/67
[Electromagnetic Spec]	Compliant with MIL-STD-461F
[Dimensions]	60 x 105 x 29 mm (2.36 x 4.13 x 1.14 in)
[Weight]	Less than 100 g (without battery and clip)(Less than 0.22 lb) 170 g approx. (with battery and clip)(0.37 lb approx.)
[Other features]	Vibrator, Call Button (Emergency alarm), Thermistor (for temperature compensation) External Battery(USB-AC adapter), Accelerometer
[Accessory functions]	Stopwatch, Notepad (32 characters)

*Note) NRF50 indicates rough value for dose rate measurement in low radiation field such as less than 1 mSv/h (100 mrem/h),so it should be used just for reference.



CAUTION

Read the instruction manual provided before using this product, to make sure you operate it safely.



Headquarters sales Dept. III
Global Energy Div. Sales Group

Gate City Ohsaki, East Tower, 11-2, Osaki 1-chome, Shinagawa-ku, Tokyo 142-0032, Japan
Phone: +81-3-5435-7276, FAX: +81-3-5435-7436 <http://www.fujielectric.com/products/radiation/>

Information in this sheet is subject to change without notice due to the product improvement.

Printed in Japan DEC 2016.07