

# DOSEi

## Electronic Personal Dosimeter



*DOSEi is a small and lightweight electronic personal dosimeter which can be used easily.*

### FEATURES

- Measures dose and dose rate
- Water and noise resistance enables high reliability
- Built-in data communication function
- Easy-to-read display and various alarm functions
- Pocket-sized and lightweight

### SPECIFICATIONS

Type	DOSEi-y for gamma (X) rays
Detector	Silicon semiconductor detector
Radiation Detected	Detected Gamma (X) rays
Display Range	0.1 mrem to 99.99 rem (0.001 mSv to 999.9 mSv) 0.1 mrem/h to 99.99 rem/h (0.001 mSv/h to 999.9 mSv/h)
Accuracy	≤± 10 % (1.0 mrem to 99.99, rem, 137Cs ref.); ≤± 10 % (0.01 to 999.9 mSv, 137Cs ref.)
Linearity of dose equivalent rate	≤± 10 % (up to 10 rem/h); ≤± 10 % (up to 100 mSv/h)
Energy Range	35 keV to 3 MeV
Display	4 digit liquid display (0.001 to 9999), switching and indicating function of dose rate low battery indication, overflow indication when exceeding measurement range
Alarm Setting	Settable for every 1 mrem, 1 mrem/h (setting with software) Settable for every 0.01 mSv, 0.01 mSv/h (setting with software)
Alarm Output	Alarm sound (large, medium, small, OFF sound volume settable), alarm lamp blinking
Data Storage	Up to 600 trend data records (for only gamma rays)*, with non-volatile memory
Test Function	When switch is ON, operation check is available with alarm output and liquid display
Operating Humidity	≤90 % RH (non condensing)
Power Source	Coin-type lithium battery (CR2450)
Battery Life	720 hours or more (without alarm indication)
Size	Approx. 1.8 x 4.3 x 0.47 in. (30 x 110 x 12 mm)
Mass	Approx. 0.13 lb (60 g)
Communication	Infrared communication (communication cable and software are optional)
Other	Water resistant (JIS protection grade 4), noise resistant (mobile phones ,etc.)



Optional NRZ IR Reader and Software

