

# DOSE<sub>i</sub>

## Electronic Personal Dosimeter

DOSE<sub>i</sub> is a small and lightweight electronic personal dosimeter.



### FEATURES

- Measures dose and dose rate
- Water and noise resistance enables high reliability
- Easy-to-read display and various alarm functions
- Pocket-sized and lightweight
- Standard Coin battery for ease of replacement



## SPECIFICATIONS

1. Type	DOSEi-γ for gamma (X) rays	
2. Detector	Silicon semiconductor detector	
3. Radiation Detected	Detected Gamma (X) rays	
4. Display Range	0.001 mSv to 999.9 mSv 0.001 mSv/h to 999.9 mSv/h	0.1 mrem to 99.99 rem 0.1 mrem/h to 99.99 rem/h
5. Accuracy	≤ ±10 % (0.01 to 999.9 mSv, <sup>137</sup> Cs ref.)	≤ ±10 % (1.0 mrem to 99.99 rem, <sup>137</sup> Cs ref.)
6. Linearity of dose equivalent rate	≤ ±10 % (up to 100 mSv/h)	≤ ±10 % (up to 10 rem/h)
7. Energy Range	35 keV to 3 MeV	
8. 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	
9. 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)	
10. Alarm Output	Alarm sound (large, medium, small, OFF sound volume settable), alarm lamp blinking	
11. Data Storage	Up to 600 trend data records (for only gamma rays)*, with non-volatile memory	
12. Test Function	When switch is ON, operation check is available with alarm output and liquid display	
13. Operating Humidity	≤ 90 % RH (non condensing)	
14. Power Source	Coin-type lithium battery (CR2450)	
15. Battery Life	720 hours or more (without alarm indication)	
16. Size	Approx. 30 (W) x 110 (H) x 12 (D) mm Approx. 1.8 (W) x 4.3 (H) x 0.47 (D) in.	
17. Mass	Approx. 60 g / Approx. 0.13 lb	
18. Communication	Infrared communication (communication cable and software are optional)	
19. Other	Water resistant (JIS protection grade 4), noise resistant (mobile phones ,etc.)	

\*Utilizing trend function requires infrared communication cable and software (optional).

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

### FUJI Electric Distributor - US & Canada

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