



PRODUCT

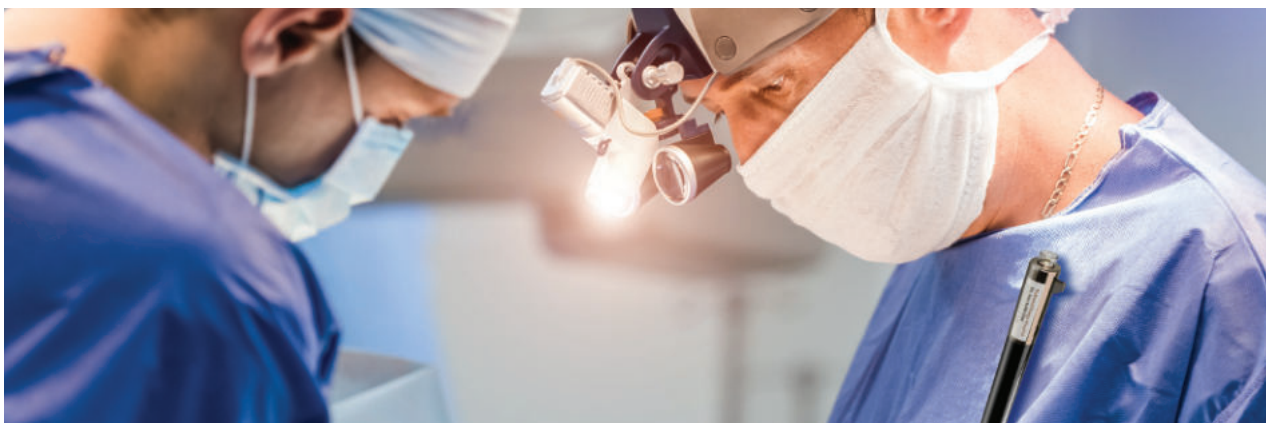
RRPD



01 RRPD (Real-time Radiation Personal Dosimeter)

Ultra-compact radiation dosimeter that can be worn like a TLD. Using a scintillation sensor developed by our company, real-time monitoring is possible with less than 1 second detection time. Traceability of personal radiation exposure can be managed through a server or mobile phone application. Real-time radiation dosimeter can be used for personal exposure, management to prevent excessive exposure of medical personnel, maintenance personnel, and radiation-related workers.





02 Specifications

Model Name	RRPD (Real-time Radiation Personal Dosimeter)
Purpose	Real-time monitoring and history of radiation exposure of doctors and radiation workers in hospitals such as operating rooms
Operating Range	0.1 $\mu\text{Sv/h}$ ~ 9999 $\mu\text{Sv/h}$
Type of Measurement Radiation	Beta, Gamma, X-ray, Muon
Energy Range	< 3 GeV
Size & Weight	100.5mm x 54.4mm x 18.9mm, 58g
Battery	3.7V Rechargeable
Reaction Time	< 1 sec
Accuracy	0.1 $\mu\text{Sv/h}$ ($\pm 10\%$)
Sensor Type	Scintillator + SiPM
Display	0.91 inch OLED
Display Resolution	128x32, Mono
Wireless Connectivity	BLE, UART profile
Antenna	Integrated PCB antenna
Frequency Band	2.4 GHz ISM
Output Power	Programmable +4 to -20 dBm in 4 dB steps
Data Transmission	Count per sec
Data Storage Capability	Infinite time

