

# Aranet Radiation sensor



Aranet Radiation Sensor is designed to keep your mind calm! Monitor dangerous levels of ionizing radiation ( $\gamma$ ,  $\beta$ ) to be aware and follow your total dose of exposure anywhere you go. Battery life up to 4 years provides continuous measurements with wireless access to your radiation exposure history through Aranet Home app.



## Function:

Place the sensor in your home to enhance family safety or carry it with you for improved health consciousness (IP20 rating). Ideal for frequent travelers, educational enthusiasts and those in close proximity to radiation sources.

Exposure of ionizing radiation is measured in range 70 – 1500 keV ( $\pm 20\%$ ) to determine:

### Dose rate

Ionizing radiation  
( $\gamma$ ,  $\beta$ ) at a given moment,  
0-1000  $\mu\text{Sv/h}$  or 0-100 mrem/h

### Total dose

Ionizing radiation ( $\gamma$ ,  $\beta$ ) encountered  
during the integration time,  
0-1000 mSv or 0-100 rem

### Integration time

Time for total dose  
measurement, 0-2 years

Three safety levels indicate the intensity of ionizing radiation exposure<sup>1,2</sup>:



## Green

Normal background  
radiation  $<0.20 \mu\text{Sv/h}$



## Yellow

Radiation above typical  
background levels  
 $0.20\text{--}10.0 \mu\text{Sv/h}$



## Red

Prolonged exposure radiation  
levels linked to health  
problems,  $>10.0 \mu\text{Sv/h}$

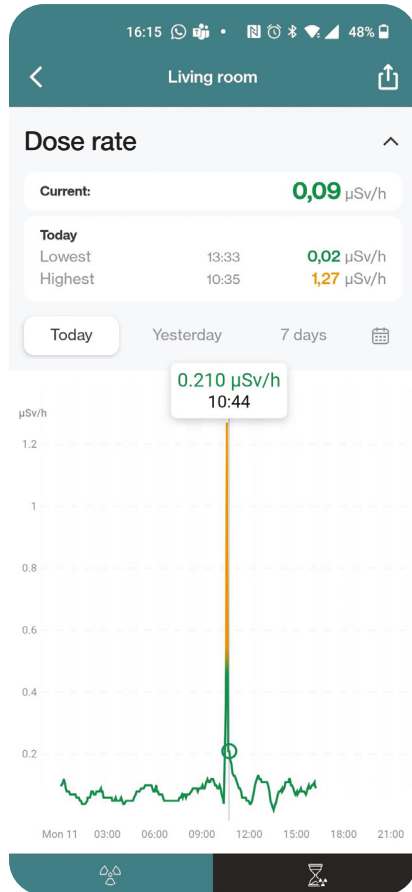
<sup>1</sup>Health Effects of Ionising Radiation on People, National Environment Agency of Singapore, accessed 23 October 2023.

<sup>2</sup>Limit values in radiation protection, The Federal Office for Radiation Protection (BfS) of Germany, accessed 23 October 2023.

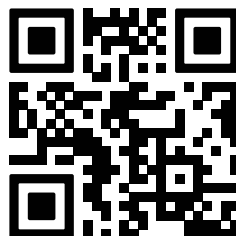
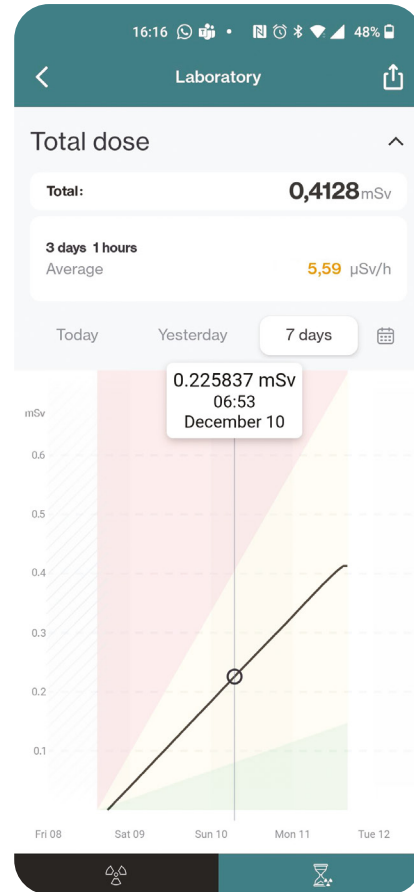
## Monitor radiation exposure levels

- Sensor records data up to 60 days.
- Connect to free Aranet HOME app to view and analyze historical data

### Dose rate history example



### Total dose history example



SCAN TO DOWNLOAD  
THE DOCUMENT

FOR MORE DETAILED INFORMATION ABOUT ARANET PRODUCTS, PLEASE VISIT [ARANET.COM](https://ARANET.COM),  
CONTACT YOUR ARANET REPRESENTATIVE OR WRITE TO [INFO@ARANET.COM](mailto:INFO@ARANET.COM).  
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