RF-LW-TIAQ-R

LoRaWAN Indoor Air Quality & Radon Monitoring



Features & Benefits

- Dedicated radon monitoring with stable, repeatable performance.
- Discreet, modern enclosure design.
- Long-range Lora wireless connectivity.
- Ideal for early detection, long term monitoring and mitigation verification.
- External power or internal battery power.

Specification

Power Supply	External 12-24Vdc (>200mA) Internal 2.6V Lithium D-Cell
Radon Measurement range	3.3Bq/m^3 - 37kBq/m^3 (0.09-1000pCi/L)
Radon sensitivity	0.2cpm / 1000Bq/m^3
Radon Response Linearity	±2.5%
Time to first data display	6 hours
Reliable data measurement time	6h for > 190Bq/m^3 12h for 94-190Bq/m^3 24h for < 94Bq/m^3
Data update interval	1 hour
Available measurements	6h, 12h, 24h, 48h, 72h, 96h Total average since last reset
Detection environmental	-10°C to 45°C, RH < 90%
Temperature Range	-20 to +50°C
Temperature Accuracy	±0.2°C
RH Range	0 to 100% RH (non-condensing)
RH accuracy	±2% RH
VOC's range	0 to 500 VOC index
Pressure Accuracy	±0.12hPa equivalent to ±1m in altitude
CO2 Range	0 to 5000ppm
Co_2 accuracy	±30ppm, +3% of reading
Particulate matter	MCERTS Certified EN 15267 and WELL Compliant Particles measured: PM0.5, PM1, PM2.5, PM4 & PM10
Operating conditions	-10 to +45°C, RH < 80%
IP Rating	IP40

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Note: for all gas sensors, None of our devices are approved for use in life safety applications. This document is uncontrolled if printed. Generated on 08/06/26

Related Product Codes

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