

Wireless Remote Monitoring



I.I.S. WAM-500 Series Gamma Area Radiation Monitors



The Wireless Area Radiation Monitor (WAM) series

Self-contained, wireless, gamma radiation monitors ideal for permanent as well as drop and go deployments

Features & Benefits

- Integrated wireless
- Optional external extended-life battery
- Modular design; add features as needed
- Optional external detector
- NEMA rated enclosure
- Drop and Go Design allows for extremely fast deployment
- Real-time view of dynamic area dose rates (WAM-500 D only)

Configuration options

External detector

GPS (WAM-500 E only)



Available in 2 different models:

WAM-500 D – features a large (1.5” high) LED display offers workers real-time view of dynamic area dose rates



WAM-500 E – housed in a weatherized enclosure for deployment in the harshest conditions.

Applications



WAM-500 D

- Real-time monitoring of cubicle or room dose rates
- Dose rate monitoring during fuel moves or Rad waste operations
- Environmental perimeter monitoring
- Drill/Training E plan scenario; can wirelessly write simulated dose rates to unit
- Numeric display changes color (red/green) based on alarm threshold status

WAM-500 E

- Permanent Boundary or Perimeter Monitor
- Rapidly deployed gamma dose rate monitoring during event/release
- Temporary (outage) Inside plant dose rate monitor
- Combines with an air sampler for a permanent environmental monitoring station

Specifications

Dimensions	6.25" (l) x 3.5" (high) x 2.5" (d))
Temperature	-12°F -150° F
Humidity tolerance	Operate in 10-95% RH environment
Rugged case	Industrial and Splash proof (IP 55 rating))
Electrical	110 V AC or Battery Powered
External I/O Connections	
Wireless Communications	Optional 'MESH' Radio, or standard 900 MHz or 2.4 GHz; standard WIFI connectivity available
Radiation Detection	Gamma Detection Energy Compensated GM Detector (LND GM Detector)
Ranges available	ZP1201 – 0.3 mrem/h – 7.5 R/h ZP1313 – 1mrem/h – 75 R /h ZP1301 – 10mrem/h – 750 R/ h

*Use Stand Alone or With IIS ALARACAST or Equivalent Remote Monitoring Software Systems (Note: System must have compatibility with specific wireless option selected or with Ethernet (network) protocol ; IIS can work with customer to optimize communication).



Ordering Information

Part Number	Description	Detector	Connectivity	GPS Installed
WAM500D-D3-R1	WAM500 Display Unit	0.3 mR/h - 9 R/h GM	900MHz (NA) Radio	No
WAM500D-D3-R2	WAM500 Display Unit	0.3 mR/h - 9 R/h GM	WiFi	No
WAM500D-D1-R1	WAM500 Display Unit	1 mrem/h – 90 R/h GM	900MHz (NA) Radio	No
WAM500D-D1-R2	WAM500 Display Unit	1 mrem/h – 90 R/h GM	WiFi	No
WAM500D-D4-R1	WAM500 Display Unit	10 mrem/h - 900 R/h GM	900MHz (NA) Radio	No
WAM500D-D4-R2	WAM500 Display Unit	10 mrem/h - 900 R/h GM	WiFi	No
WAM500E-D3R1G1	WAM500 Environmental Unit	0.3 mR/h - 9 R/h GM	900MHz (NA) Radio	Yes
WAM500E-D3R2G1	WAM500 Environmental Unit	0.3 mR/h - 9 R/h GM	WiFi	Yes
WAM500E-D1R1G1	WAM500 Environmental Unit	1 mrem/h – 90 R/h GM	900MHz (NA) Radio	Yes
WAM500E-D1R2G1	WAM500 Environmental Unit	1 mrem/h – 90 R/h GM	WiFi	Yes
WAM500E-D4R1G1	WAM500 Environmental Unit	10 mrem/h - 900 R/h GM	900MHz (NA) Radio	Yes
WAM500E-D4R2G1	WAM500 Environmental Unit	10 mrem/h - 900 R/h GM	WiFi	Yes

Note: All WAM500D and WAM500E Units are provided with Power Adapter, 5 foot USB cable, WAM Pro Software, Mounting System & 15 foot External Power Supply

Accessory Ordering Information

Part Number	Description
WAM-CDM30050	WAM Base Radio Digi XSC 900 Mhz
WAM-CDM30055	WAM Repeater Radio Digi XSC 900 MHz
WAM-SOLAR-65W	Solar unit with 65 watt Solar panel, on an aluminum frame or pole mount, with 12 volt battery in a Nema enclosed box with setup for a WAM, Sabre, or Repeater
WAM-EXT-P10	10 foot external power adapter for WAM500D & E
WAM-EXT-P15	15 foot external power adapter for WAM500D & E
WAM-EXT-P25	25 foot external power adapter for WAM500D & E
WAM-EXT-P50	50 foot external power adapter for WAM500D & E
WAMPOESPLITTER	WAM PoE Splitter and Data Module
WAMPROBECABLE10	WAM External Probe Cable - 10 foot
WAMPROBECABLE25	WAM External Probe Cable - 25 foot
WAM-HORN/STROBE	External WAM Siren Strobe
WAM-STAND	Metal stand for WAM units
WAM-133-6	Ludlum 133-6 External GM detector for WAM

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