

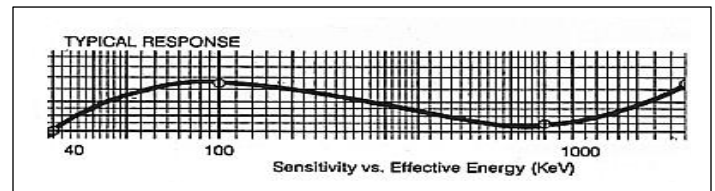
# AREA MONITOR

Model Series ~ WA-2A

WA-2A ~ WA-2AI ~ WA-2AP

## FEATURES:

- SELF-CONTAINED
- WALL MOUNT OR PORTABLE
- ANALOG
- DETECTS GAMMA OR X-RAYS
- 4 DECADES – WIDE RANGE
- VAPOR-TIGHT WALL MOUNT HOUSING
- ALARM: AUDIO / VISUAL - USER SETTABLE
- LATCHING OR SELF-RESETTING ALARM
- NON-CONTACTING SOLID STATE ALARM
- LOGARTHMIC RESPONSE
- DOOR INTERLOCK CAPABILITY
- THREE MODELS:
  - WA-2A INTERNAL GM DETECTOR
  - WA-2AI EXTERNAL ENERGY COMPENSATED GM DETECTOR
  - WA-2AP EXTERNAL ENERGY COMPENSATED GM DETECTOR - PORTABLE
- **OPTIONAL:** BATTERY BACK-UP



## APPLICATION:

WA-2A series Area Monitors serve as Gamma or X-Ray alarms in power plants, hospitals and industrial locations and other areas where ruggedness, 'vaptight' construction and long unattended use are required.

## DESCRIPTION:

Area Monitors of the WA-2A (four decade) are self-contained in a 'vaptight' wall mountable housing.

- WA-2A has internal GM T-1216 tube. It is less sensitive to Gammas and X-Ray than the external detector.
- WA-2AI has external energy compensated detector.
- WA-2AP has external energy compensated detector and sturdy handle and rubber feet for easy portability.

All controls are internal to prevent tampering, leaving a simple exterior with red alarm light, level indicating meter and "normal" operation light. The case allows checking of complete system with a low-level radiation source without opening the monitor case.



TECHNICAL ASSOCIATES

7051 ETON AVENUE, CANOGA PARK, CALIFORNIA 91303

PHONE: 818-883-7043 | FAX: 818-883-6103

SALES@TECH-ASSOCIATES.COM | TECH-ASSOCIATES.COM | USNUCLEARCORP.COM

DIVISION OF



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# AREA MONITOR

**Model Series ~ WA-2A**  
**WA-2A ~ WA-2AI ~ WA-2AP**

## SPECIFICATIONS:

<b>DETECTOR:</b>	GM Model T-1216 (non-saturating operation). <ul style="list-style-type: none"><li>• Mounted internally in <b>WA-2A</b></li><li>• Mounted externally and energy compensated in <b>WA-2AI &amp; WA-2AP</b></li><li>• Specify "close coupled" or 20 ft detector cable.</li></ul>
<b>Range:</b>	Four decade 0.1-1000 mR/hr – Wide Range <b>Options:</b> other ranges and detectors .01 mR/hr to 100 R/hr.
<b>Energy Response:</b>	15%, 80 KeV to 1.3 MeV, 18% 40 KeV to 1.3 MeV.
<b>POWER:</b>	120AC 60 hz; <b>Option:</b> 230 AC, 50 hz
<b>Power Cable:</b>	6 ft. cable furnished; insulated to 600V. <b>Option:</b> Longer power cable Three prong grounded connector <b>Option:</b> conduit operation.
<b>Battery Back-Up:</b>	20 minutes standard. <b>Option:</b> 7-day separate battery pack ().
<b>ALARM:</b>	
<b>High Level Alarm:</b>	Flashing red light & intermittent 2900 Hz tone.
<b>Alarm Set:</b>	Internal set - visible on meter while being set.
<b>Alarm Latch:</b>	Internal switch or jumper can be set by user for latched or unlatched operation.
<b>ELECTRONICS:</b>	
<b>Meter:</b>	3-1/2" vaportight rugged D'Arsonval movement.
<b>Case:</b>	Weathertight and vaportight, steel, enameled.
<b>WEIGHTS AND DIMENSIONS:</b>	
<b>Dimension:</b>	5-1/2" D x 9" W x 16" H – (13.9 cm x 22.8 cm x 40.6 cm) <b>WA-2A</b> 5-1/2" D x 10" W x 20" H - (13.9 cm x 25.48 cm x 50.8 cm) <b>WA-2AI, WA-2AP</b>
<b>Weight:</b>	12-1/2 lbs. (5.6 kg) <b>WA-2A</b> 15 lbs. (6.8 kg) <b>WA-2AP, WA-2AI</b>
<b>OPTIONS:</b>	
<b>Check Source:</b>	Cs-137, 10 1μCi, license exempt.
<b>Relay:</b>	5A SPDT to operate other circuits (3 total).
<b>Remote Alarm:</b>	RAL-3W: flasher-beeper, or ALS-3W: remote meter plus alarm.



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