

VEHICLE TRANSIT MONITOR

Model # WA-2x2TA - Drive Through
Model # WA-2x2TB - Stop & Measure

FEATURES:

- CAN ALARM AT 7 microR/hr RISE WITHIN 1 SECOND (A)
- SEES AND CAN ALARM AT 1 microR/hr ABOVE BACKGROUND (B)
- WEATHER RESISTANT CASES, ALL OPENINGS COMPLETELY GASKETED
- HIGH SENSITIVITY DETECTORS (3X3 SCINTILLATORS)
- DYNAMIC BACKGROUND SUBTRACT
- FAST RATE OF CHANGE DESIGN
- CONTINUOUS OPERATION: "SET AND FORGET"



Figure 1: WA-2x2TA

DESCRIPTION: Wall - mounted control / alarm module plus two post mounted cases each with 3" diameter x 3" NaI scintillators. Rate of change electronics with audio and visual alarms. 110 volt, 60 Hz (optional 220V / 50 Hz) operation for rugged outdoor use as well as indoors. Model WA-2X2TA is a high sensitivity Gamma Monitoring system for determining possible radiation contamination in containers or vehicles on a non-pause basis. Since the operation of this instrument is based on rate of change in radiation, it will reliably pick up contamination as it passes near the monitor. Model WA-2X2TB achieves greater sensitivity by stop and count approach. This system is designed to be mounted in a **corridor**, on a **loading dock** or at a **roadway station**. Background is continually updated and subtracted thus giving net vehicle reading.

SPECIFICATIONS:

Detectors:	2 ea. 3"D x 3" NaI(Tl) scintillators *
Range:	Background to 1 mR/hr.
Power Requirements:	115 V, 60 Hz *
Power Cable:	6 ft. cable furnished. Three Prong grounded connector. (conduit operation optional)
High Level Alarm:	Flashing red light and intermittent 2900 Hz tone. (90 dB)
Alarm Set:	WA-2X2TA internal factory set at .007 mR/hr rise per second. May be reset by user. WA-2X2TB internal factory set at 10% above ambient background. May be reset by user.
Cases:	Weather-tight NEMA rated steel cases.
Dimensions:	Control Alarm Module - 7" x 14" x 18" plus 3" light dome. Detectors 6" x 6" x 18".
Shipping Weight:	65 lbs. (for 2 detector units. Add 40 lbs. for each additional pair of detectors.)



TECHNICAL ASSOCIATES

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\$Revision: 1.2 \$

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OPTIONAL ACCESSORIES:

- Check Source:** Cs-4, uranium source; license exempt.
- Additional Relay:** 5A SPDT to operate other circuits (3 total).
- Additional Remote Alarm:** RAL-3W flasher, siren.
- *Options:** 220 V, 50-60 Hz
7-day Battery Back-up
Additional detectors
Alternate detectors 8" x 10" x 2" or other size plastic scintillators or BGO crystal.
Specific detectors eg for plutonium.



TA

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