

AM 801

Portable Portal Radiation Monitor



The AM 801 portable portal monitor is the only device of this type that assembles by stacking the sections. There is no cabling and no cable connections. It can easily be assembled in less than five minutes. It comes with Voice Operational Commands, Full Color Touch Sensitive graphics panel, Auto Cal for Maximum Sensitivity and easy to configure audible and visual alarms. It features Auto Background Subtraction for Maximum Sensitivity to meet or exceed FEMA's sensitivity requirements of less than 1uCi Cs-137 detection.

The AM-801 is the only portable walk-through monitor with voice commands, making the monitoring and decontamination process much easier for the technician and the public. This also the only device of this type to boast a full 36" (91 cm) as the standard interior pass-through width.



FEATURES

- Stack Sections to Assemble (no cables to hook up)
- Touch Screen Color Display
- Audible Commands/Prompts
- Automatic Background Subtract for Maximum Sensitivity
- 4 Modes of Operation
- 36" Interior Width

AVAILABLE MODELS

- AM-801-4 (180 cu in) per side
- AM-801-5T (180 cu in) per side plus 1 (108 cu in) in Top Section
- AM-801-5B (180 cu in) per side plus 1 (108 cu in) in Bottom Ramp
- AM-801-6 (180 cu in) per side plus Top & Bottom Detector
- AM-801VHKS Vehicle Kit Adaptor

AM 801

SPECIFICATIONS

Setup	Stack modules, no cables to plug in, <5 Minutes - no tools required
Sensitivity	<1uCi Cs-137 detection in "Walk Through" mode of operation
Detector	Plastic Scintillation
Display	256 color VGA touch sensitive screen with full color graphics
Operator Input Controls	Touch sensitive screen for all data entry and operator input
Security	Lockable operator panel
Operating Modes	Walk through, timed count, area monitor and drive through w/optional VH-1 Kit
Audible Commands and Alarms	Digitally recorded verbal commands for all major operating parameters. System is delivered with pre-recorded commands that coincide with operations.
Timed Counts	1 – 30 seconds
Operating Modes and Data Entry	Walk through or timed counts, automatically measures and subtracts background, touch sensitive screen for all data entry
Processing Rates	Approximately 500 persons/hr
Person/Vehicle Sensor and Counter	Optical sensor automatically senses a person/vehicle when entering counting area-automatically counts and saves numbers of uses per programmed time
Range	0-100,000 cps
Printer/PC output	RS-232 (9-pin connector)
Power	120/250 VAC – 50/60 Hz Wall transformer 15 VDC 1 amp or battery backup.
Batteries	9 – "D" Alkaline with 12014 hours nominal
High Voltage	Adjustable 300-1300 VDC – Regulation \pm 1%
Low Voltage	+5 VDC and -5 VDC Regulation \pm 0.5%
Memory Retention	10 Years
Temperature Range	-20° F[-28° C]-140° F[60° C] 5-95% RH
Humidity	5 – 95% non-condensing
Environmental	Can be used outdoors in wet conditions without protective covers
Dimensions	Inside 81" H x 36" W (183 x 206 cm) Outside 84" H x 42" W (104 x 213 cm)
Shipping Case Dimensions	47.5" L x 25" W x 18" H (121 x 64 x 46 cm)
Weight (Model 801, 4 detectors)	80 lbs (36.4 kg) w/out case - 120 lbs (54.5 kg) w/case
Construction	16 Ga Aluminum Housing with 2 part polyurethane coating
Vehicle Monitoring Kit	Includes all materials (w/shipping case) necessary to separate detectors a maximum of 10 ft to allow for monitoring of vehicles

Standard Product Warranty

At WB Johnson Instruments, we stand behind our products. We guarantee your satisfaction in the quality of our instruments by providing a complete two year warranty covering any defect of workmanship, material, and/or design. If our products do not perform, we will provide complete repair and/or replacement.



Display/Controller



AM-801-6

