



AM-801

# Portal Monitor



Assembles in 5 minutes without tools, **Voice Operational Commands**, Full Color Touch Sensitive Graphics Readout, Auto Cal for Maximum Sensitivity. Audible & Visual Alarms, Many Diagnostics, 120 vac w/10hr Battery Backup. Optional Printer, VH-1 Vehicle Monitor Kit

### Specifications

Setup	No tools required, approx. 10 minutes
Operating Modes & Data Entry	Walk/drive through or timed count-System constantly measures background, automatically subtracts from each measurement. Touch sensitive screen for all data entry.
Audible Commands and Alarms	System is pre-programmed with appropriate commands to coincide with operations, i.e. wait, system not ready, ready, too fast, see operator. Commands can be custom configured
Readout	Full color VGA, touch sensitive screen. Full color graphics indicate normal operation, errors, & alarms. All operating parameters--detector CPS, high voltage, setpoints available on operator screen. Real time clock
Sensitivity	Meets FEMA sensitivity requirements of
Processing Rate	Approximately 500 persons per hour
Detectors	4 separate 36"L x 3"W x 1.5"D Plastic scintillators w/PMT detector 162"³ each detector--
Person &/or Vehicle Sensor & Counter	Optical sensors automatically sense person or vehicle entering counting area. Counter automatically counts number of persons or vehicles per day, shift, etc. and saves count and time/date of vehicles exceeding alarm setpoints.
Range	0--100,000 CPS
Printer/PC Output	RS-232--9 Pin connector
Relay Output--Optional	Dry contact can be configured to operate with alarm setpoints. Readout graphics indicate alarm by changing color of parameter that is alarming
Diagnostics	HV out of range, battery low, detector out of range, incomplete count, background fault
Range Adjustment	Auto ranging system automatically and continuously measures background until vehicle sensor
Response Time	100mSec
Drift	Less than 5%
High Voltage	300vdc--1500vdc ±1% regulation
Environmental	-4°F (-20°C)--140°F (60°C)---5-95%RH
Dimensions	Inside portal 72" Tall X 36" wide, Outside portal 84" X 42"
Power	120-250 VAC and backup of "D" size alkaline Batteries: 8hrs nominal operation.
Weight	Instrument-75lbs, Instrument with shipping case-97lbs
Construction	Aluminum and stainless steel
Vehicle Monitoring Kit	Includes all materials & shipping case necessary to separate detectors maximum of 10 feet

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