

GateMan

RADIATION ALERT®

The *GateMan* is multi-function analyzer/survey meter designed to be used by personnel with minimal training. This survey instrument is a dual single channel analyzer with setable alarms.

The *GateMan* is a handheld computer based instrument designed to be used with an external scintillation probe. There are two outputs including an RS232 port for interfacing to a computer or external warning device. Lighted indicators show countrate and exceeded alarm levels.

- ***optimized sensitivity to radionuclide of your choice***
- ***automatic or manual adjust alarm function***
- ***automatic background count***
- ***high background alarm***
- ***portability***
- ***simple to use push-button controls***
- ***rechargeable***
- ***weather resistant***



MADE IN USA

Basic Operation

The *GateMan* is automatically set to CPS. Simply push and hold the Mode switch to read other units.

To automatically set the alarm, hold down the ALARM SET switch for 2 seconds. The display will indicate current functions and the High Background light will flash. During the alarm set period, a 30 second background count is performed, and the background rate and alert levels are automatically calculated for the alarms. At the end of this period, the settings and collected information is displayed before the *GateMan* resumes normal operation.

When any threshold is exceeded, the corresponding light and LCD indicator will flash, and the beeper sounds. The lights and LCD will continue to flash until conditions return to normal or the *GateMan* is turned off.

S.E. International, Inc.





SPECIFICATIONS

Detector Options: Refer to the RAP scintillation probes in our catalog. Probes are priced separately.

Ranges: 1 to 15,000 CPS
 1 microR/hr to 10 mR/hr
 .01 microSieverts/hr to 100 µSv/hr

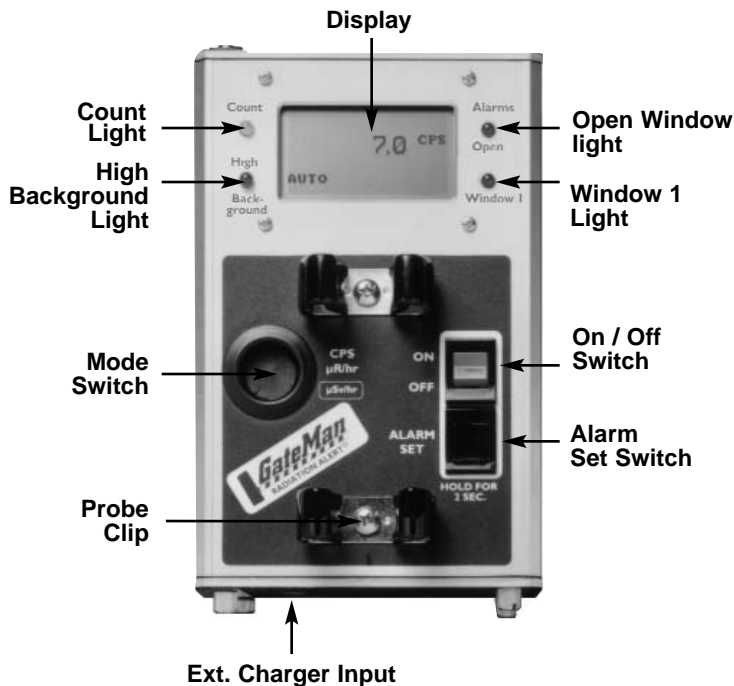
Accuracy: CPS - ±15%
 µR/hr - ±15

Display: 5 digit liquid crystal alpha-numeric
 Display updates every 2 seconds

Lights: All lights are high brightness
 Count - yellow
 High Background - red
 Open Window - red
 Window 1 - red

Ext. Probe Input: MHV female connector

Outputs: 1) 5 volt pulse, CMOS, TTL and RS232 compatible pulse (located behind end panel). Can be used for external warning device.
 2) RS232, datacom port



Switches: ON/OFF
 MODE - CPS mR/hr (recessed)
 ALARM SET

Alarm Settings: 1 µR/hr to 10mR/hr
 1 to 15,000 CPS
 1 to 100 µSv/hr

High Voltage: Adjustable 450V DC to 1200V DC

Power/Charge: 2.5 mm barrel jack

Battery: lead acid Gell Cell, 6V,2 AH, Rechargeable

Battery Life: Min 60 hours full operation, full recharge in 12 hours

Temperature Range: -10° to +50° C

Dimensions: L 8 x W 4.75 x D 5 in.
 (20.5 x 12 x 12.7cm)

Weight without probe: Max. 4.55 lb. (2.06 kg)

Enclosure: Extruded Aluminum, custom milled.

