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Model 52-1-1 Portable Portal Monitor

- * Portable
- * Plastic Scintillation Detectors
- * Assembles or Disassembles in less than 5 Minutes
- * Carrying Case included

Indicated Use: Portable personnel monitoring sized to fit hospital gurneys and wheelchairs. (*NOTE: This instrument is portable and can be assembled or disassembled in less than 5 minutes. Carrying case is included.*)

Detectors: 4 ea. 168 cubic inch (2753 cc) plastic scintillators for a total volume of 672 cubic inches (11,012 cc)

Threshold: 4 plus or minus 1 mV

Display: 2 line x 20 character LCD shows background rates from all detectors, and sigma values above background. To extend battery life, the LCD backlight on the display has been configured to go OFF when the instrument is on battery power.

Alarm: Indicated by red LED, and audible signal (greater than 60 dB at 2 feet)

Count Time: Adjustable from 0 - 20 seconds (*0 second setting is for walk through mode*)

Enter/Checking: (*green LED*) Indicates system is ready for use. Flashing LED indicates a count is in progress.

Incomplete/Updating: (*amber LED*) Indicates the user has stepped out of the portal before counting was completed, or that an update is in progress

Failure: (*red LED*) Indicates a high or low background

Infrared Sensor: A retro-reflective sensor senses portal occupancy

Parameters: All parameters are stored in non-volatile memory

Output: RS-232 output for printer and relay output connectors located on the bottom of the electronics chassis

Power: 85 - 250 VAC, 50-60 Hz single phase (*less than 100 mA*); or 3 ea. "D" cell batteries

Battery Life: Typically 24 hours in a non-alarm condition

Construction: Aluminum housing with beige polyurethane enamel paint

Temperature Range: -4° F(-20°C) to 122° F(50° C)

Size: 83" (211 cm) H x 36" (91.4 cm) W x 18" (46 cm) D

Portal Dimensions: 81" (206 cm) H x 32" (81.3 cm) W (*see below for Model 52-1 specifications*)

Weight: 70 lbs (32 kg)

Shipping Weight: 100 lbs (45 kg)

The Model 52-1 includes all specifications listed with the portal dimension width of 24" (61 cm) and an overall size width of 28" (71 cm).