

MODEL 52-1B PORTABLE PORTAL MONITOR

In this case the window which is normally two layers of heavy duty aluminium foil and 1/32 of vinyl has been replaced with 1.2mg/cm aluminised mylar. This new design with enhanced beta response is the 52-1B.

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



INDICATED USE: Portable personnel monitoring (*NOTE: This instrument is portable and can be assembled or disassembled in less than 5 minutes. Carrying case is included*)

DETECTORS: 4 ea. 2753 cc plastic scintillators for a total volume of 11,012 cc

THRESHOLD: 4 ± 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: Aluminium housing with beige polyurethane enamel paint

TEMPERATURE RANGE: -20°C to 50° C

SIZE: 211cm H X 71cm W X 46cm D

PORTAL DIMENSIONS: 206cm H X 61 cm W

WEIGHT: 32kg

SHIPPING WEIGHT: 45kg