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Ludlum  
Model 52-1  
**PART NUMBER:48-3172**

- **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. 168 cubic inch plastic scintillation allowing a total detection area of 672 cubic inches

**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.

**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 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