



Radiation Control Monitor

Exit/Doorway Monitor
Vehicle Monitor

Package/Mail Monitor
Laundry Monitor

**Model: LAM-10D/PGS-3
and LAM-10D/PGS-3L**

Features

- Stop Entry of Radioactive Items
- Detects Beta-Gamma Rays
- Highly Sensitive 2" x 2" Crystal (Pgs-3l)
- Alarms with Detection of Radiation
- Relay Control Can Lock Doors, Trigger a Siren or Autodialer

Application

Maintaining control of Radioactive Materials is absolutely essential and to know **when** and **where** radioactivity is entering or leaving the area where it is used. **TA Models LAM-10D/PGS-3 and LAM-10D/PGS-3L** are high sensitivity monitors, easily placed at entrance and exits and other strategic locations to act as:

| FUNCTION | DETECTS | PLACEMENT |
|----------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 1. EXIT/DOORWAY MONITOR | Alarms when radioactivity is carried through an exit or doorway. | Mount to top or side of door fram or mount to wall. |
| 2. PACKAGE/MAIL MONITOR | When properly installed, checks all mail and packages. | Mount to sorting table, mail conveyor, or door frame where mail baskets enter. |
| 3. VEHICLE MONITOR | Alarms when vehicle carrying radioactivity stops at guard house. | Mount on posts on either side of facility entrance road. Requires weather-proof probe housing and long cables. |
| 4. LAUNDRY MONITOR | Detects contaminated garments | Mount above sorting table or optional conveyor belt. |
| 5. RADITAION RELEASE MONITOR FOR FUME HOODS | Alarms when radioactivity is released into fume hood exhaust. | Mount inside or on top of fume hood filter enclosure. |



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Radiation Control Monitor

Exit/Doorway Monitor - Package/Mail Monitor - Vehicle Monitor - Laundry Monitor

Model: LAM-10D/PGS-3 and LAM-10D/PGS-3L

Options

- SC-10-3 or SC-10-3L Shield Collimator for PGS-3 or PGS-3L probe.
- WPPH-3 or WPPH-3L Water Proof Probe Housing
- CA-xxx Longer Cables
- CB-LIM Conveyor Belt for Laundry Monitoring
- Read-out units and range per customer requirements: mR/h, Sv/h, microCuries/ml, etc.
- Computer interface; RS232, ethernet, etc.
- Complete data logging and acquisition systems

Sensitivity:

LAM-10D/PGS-3L Detects 20 $\mu\text{R/hr}$ (0.2 $\mu\text{Sv/h}$) above background in 2 sec: 99% confidence level.

LAM-10D/PGS-3 Detects 80 $\mu\text{R/hr}$ (0.8 $\mu\text{Sv/h}$) above background in 3 sec: 99% confidence level.

**Increased sensitivity can be obtained by optional SC-10-3 or SC-10-3L Shield-Collimators

Specifications:

| | |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Digital Display: | Length = 6 digit rate, 8 digit total dose. Other meter scale markings are available. |
| Engineering Units: | User can input correct conversion factor and change to any units. |
| Controls: | Front Panel: On-Off, Alarm-mute, Rate, Integrate, Reset. |
| Recessed or Internal: | Discriminator level, high voltage, alarm set. |
| Other adjustable settings: | See calibration. |
| Detectors: | Any GM (P-13, P-15, P-6LB, etc.) or alpha, beta, gamma or neutron scintillator (PAS-8, PAS-9, PGS-3, PNS-19, etc.). |
| Probe Holder: | Probe Holder is provided for probe purchased. |
| Input Sensitivity: | Adjustable from less than 1 millivolt to 100 millivolt |
| Anti-Saturation & Dead-time Corrections: | Differentiation circuit provides highly effective compensation for coincidence loss. This allows all five decades to accurately read with scintillation detectors. |
| Calibration: | Digital input of calibration factor gives high precision adjustment. |
| Alarm: | 2000 Hz audio tone with audio "mute" switch + RED LIGHT, high current relay. 0-100% of full scale. |
| Serial Output: | Two way RS-232 standard, Ethernet optional. |
| Pulse Output: | Internal 1 volt positive. Other outputs and interfaces are optional. |
| Batteries: | 5 amp-Hour Battery Pack with built-in charger. |
| Power: | 105-125 volts, 50-60 Hz (220 V optional) |
| Construction: | NEMA-4X polycarbonate gasketed case: Rugged and splash-proof. |
| Weight: | 3 lbs. (1.4kg) including batteries and hardware, excluding probe. |
| Dimensions: | LAM-10D: 10" W x 7" H x 4" D LAM-10DL: 10" W x 7" H x 6" D (excluding handle, probe holder, feet, knobs) |



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