RADIATION CONTROL MONITOR

EXIT/DOORWAY MONITOR  PACKAGE/MAIL MONITOR
VEHICLE MONITOR        LAUNDRY MONITOR

Model - LAM-10D/PGS-3 & 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:

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

Model - LAM-10D/PGS-3 & 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:
<table>
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<th>Model</th>
<th>Sensitivity</th>
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<tbody>
<tr>
<td>LAM-10D/PGS-3L</td>
<td>Detects 20 µR/hr (0.2 µSv/h) above background in 2 sec: 99% confidence level.</td>
</tr>
<tr>
<td>LAM-10D/PGS-3</td>
<td>Detects 80 µR/hr (0.8 µSv/h) above background in 3 sec: 99% confidence level.</td>
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</table>

**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
- 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.