

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 and 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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