



LAM-10-A with Probe and Holder

# Analog AC-DC Radiation Monitor

**Model: LAM-10-A**

## Features

- Versatile
- Analog
- AC or DC Power
- Five Decades
- Recorder Output
- Large Display
- User Settable Alarm: Audio / Visual

## Description

- Rugged and easy to use for laboratory.
  - Suitable as area monitors or field application such as survey or contamination work.
  - Powered by AC or by batteries.
- Batteries automatically disconnect when LAM is plugged into AC.
- Versatility and dependability at low cost.
  - Use with all the standard Technical Associates P and P-S series probes, Geiger and scintillation.

## Specifications

- Ranges: Choose any probe below or any TA or compatible probe:

PROBE	DESCRIPTION	RANGE						UNITS
<b>ALL PROBES</b>		0.1	-1	-10	-100	-1,000	-10,000	cps
<b>GM</b>								
P-15	2" Pancake		.02	.2	2	20	200	mR/h
P-6LB	2" Spot Detector	0.01	.1	1	10	100	1,000	mR/h
<b>SCINTILLATION</b>	Nal(Tl) and BGO							
PGS-3T			.01	.1	1	10		mR/h
PGS-3I			.03	.3	3	30		mR/h
BGS-2505			.01	.1	1	10		mR/h



## TECHNICAL ASSOCIATES OVERHOFF TECHNOLOGY

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Model: LAM-10-A

## Specifications *(Continued)*

Meter Scale:	Length = 4.5 inches marked 0.1 – 10,000 cps 0 - 1500 Volts "Battery Okay" segment. Other meter scale markings are available.
Controls:	Front Panel: Alarm set pot and Alarm reset button.
Selector Switch:	OFF, Battery test, HV display, Alarm Point Display, Counts with sound / no sound.
Recessed or Internal:	Discriminator level, high voltage. Other adjustable settings: See calibration.
Detectors:	Any GM (such as P-7, P-15, P-6LB, etc.) or Alpha, Beta, Gamma or Neutron scintillator (as PAS-8, PAS-9, PGS-3, PNS-19, etc.) of P or P-S series.
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 and "5 point" calibration pots provide highly effective compensation for coincidence loss. This also allows all five decades to read accurately with GM detectors.
Calibration:	Calibration pot for each decade.
Speaker:	Audible Sonalert.
Alarm:	2000 Hz intermittent tone + flasher, plus solid state, non-contacting relay. 0-100% of full scale. Jumper selects alarm to be in <b>Latching, Non-latching</b> or <b>Acknowledge</b> mode.
Recorder Output:	0-1 Volt DC full scale.
Pulse Output:	Internal 1 volt positive. Other outputs and interfaces are optional.
Batteries:	Two 9 volt batteries.
Battery Life:	Over 200 hours typical life.
Power:	105-125 volts, 50-60 Hz (220 V optional)
Construction:	NEMA-4X gasket-ed polycarbonate case: rugged and splash-proof.
Weight:	3 lbs. (1.4kg) including batteries and hardware - excluding probe.
Dimensions:	9" W x 5.5" H x 4" D (23cm x 14cm x 10.5cm) excluding handle, probe holder, feet, knobs.



## Options:

- Read-out units and range per customer requirements; mR/h, Sv/h, microCuries/ml, etc.
- Computer interface; RS-232 etc. or complete data logging and acquisition systems



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