

# 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



LAM-10-A WITH PROBE AND HOLDER

## 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	1" 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**

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## SPECIFICATIONS: (Continued)

<b>Meter Scale:</b>	Length = 4.5 inches marked 0.1 – 10,000 cps 0 - 1500 Volts "Battery Okay" segment. Other meter scale markings are available.
<b>Controls:</b>	Front Panel: Alarm set pot and Alarm reset button.
<b>Selector Switch:</b>	OFF, Battery test, HV display, Alarm Point Display, Counts with sound / no sound.
<b>Recessed or Internal: Detectors:</b>	Discriminator level, high voltage. Other adjustable settings: See calibration. 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.
<b>Probe Holder:</b>	Probe Holder is provided for probe purchased.
<b>Input Sensitivity:</b>	Adjustable from less than 1 millivolt to 100 millivolt.
<b>Anti-saturation &amp; Dead-time Corrections:</b>	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.
<b>Calibration:</b>	Calibration pot for each decade.
<b>Speaker:</b>	Audible Sonalert.
<b>Alarm:</b>	2000 Hz intermittent tone + flasher, plus solid state, non-contacting relay. 0-100% of full scale. Jumper selects alarm to be in LATCHING, NON-LATCHING or ACKNOWLEDGE mode.
<b>Recorder Output:</b>	0-1 Volt DC full scale.
<b>Pulse Output:</b>	Internal 1 volt positive. Other outputs and interfaces are optional.
<b>Batteries:</b>	Two 9 volt transistor batteries.
<b>Battery Life:</b>	Over 200 hours typical life.
<b>Power:</b>	105-125 volts, 50-60 Hz (220 V optional)
<b>Construction:</b>	NEMA-4X gasket-ed polycarbonate case: rugged and splash-proof.
<b>Weight:</b>	3 lbs. (1.4kg) including batteries and hardware - excluding probe.
<b>Dimensions:</b>	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, cps.
- Computer interface; RS-232 etc. or complete data logging and acquisition systems.



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