

Analog AC-DC Radiation Monitor

Model ~ LAM-10

FEATURES:

- VERSATILE
- ANALOG
- AC OR DC POWER
- 5 LOG DECADES
- RECORDER OUTPUT
- LARGE DISPLAY
- USER SETTABLE ALARM: AUDIO / VISUAL



LAM-10

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
ALL PROBES		0.1	-1	-10	-100	-1,000	-10,000	cps
GM								
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
SCINTILLATION	NaI(Tl) and BGO							
PGS-3T			.01	.1	1	10	10	mR/h
PGS-3I			.03	.3	3	30	30	mR/h
BGS-2505			.01	.1	1	10	10	mR/h



TECHNICAL ASSOCIATES

Divisions of



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Real - Time
Air & Water
Specialists

Analog AC-DC Radiation Monitor

Model ~ LAM-10

SPECIFICATIONS: (Continued)

Meter Scale:	Length = 4.5 inches marked 0.1 - 10 cps and 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: Detectors:	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.
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 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 LATCHING, NON-LATCHING or ACKNOWLEDGE 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 transistor 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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