AC-DC Radiation Monitor

Model LAM-10L

FEATURES:

- 4 LINEAR RANGES
- VERSATILE
- AC OR BATTERY
- RECORDER OUTPUT
- LARGE, EASY TO READ METER
- SETTABLE ALARM - BEEPER FLASHER
- OPTIONAL - 5 DECADE LOG SCALE (LAM-10)

Figure 1: LAM-10L

DESCRIPTION: The LAM rate-meters are rugged and easy to use for laboratory, power plant, industrial or field application. Operated by AC mains or by batteries. Batteries are automatically disconnected when LAM is plugged into the line. These instruments can be used with all the standard Technical Associates P and P-S series probes, Geiger and scintillation. They provide versatility and dependability at low cost. They find frequent use as lab monitors or as area monitors and are also suitable for survey or contamination work.

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

PROBE	DESCRIPTION	RANGE				UNITS
ALL PROBES		0- 500	5000	50,000	500,000	cpm
GM						
P-15	2 “ Pancake	0 -.2	2	20	200	mR/h
P-6LB	1“ Spot Detector	0 -1	10	100	1,000	mR/h
SCINTILLATION	NaI(Tl) and BGO					
PGS-3T		0-.03	.3	3	30	mR/h
PGS-3I		0-.01	.1	1	10	mR/h
BGS-2505		0-.03	.3	3	30	mR/h

Available Options Include:

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.

TA TECHNICAL ASSOCIATES

7051 ETON AVENUE * CANOGA PARK, CA 91303 TELEPHONE (818) 883-7043 * FAX(818) 883-6103

$Revision: 1.3 $

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Model LAM-10L

SPECIFICATIONS: (Continued)

Range Switch:	X 1,000; X 100; X 10; X 1
Selector Switch:	OFF, Battery test, HV display, Alarm Point Display, Counts with sound, Counts-No Sound.
Recessed or Internal:	Discriminator level, high voltage. Other adjustable settings: See calibration.
Detectors:	Any GM (such as P-11, P-15, P-6LB, etc.) or alpha, beta, x-ray, gamma or neutron scintillator (as PBS-44, PAS-8, PAS-9, PGS-3, PNS-19, etc.) of P or P-S series.
Probe Connector:	Low-noise teflon-insulated locking-bayonet BNC. others optional.
Probe Holder:	Probe Holder is provided for probe purchased.
Input Sensitivity:	Adjustable from less than 1 millivolt to 100 millivolt
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 ACKNOWL-EDGE 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. EverReady 1222 or equivalent. 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, but excluding probe.
Dimensions:	9” W x 5.5” H x 4” D (23cm x 14cm x 10.5cm) excluding handle, probe holder, feet, knobs.

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