AC-DC Radiation Monitor

Model LAM-10

FEATURES:

- VERSATILE
- AC OR BATTERY
- 5 LOG DECADES
- RECORDER OUTPUT
- LARGE, EASY TO READ METER
- SETTABLE ALARM - BEEPER FLASHER

Figure 1: LAM-10

DESCRIPTION: The LAM rate-meters are rugged and easy to use for laboratory 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		0.1	-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	mR/h
PGS-3I				.03	.3	3	30	mR/h
BGS-2505				.01	.1	1	10	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 $

AC-DC Radiation Monitor

Model LAM-10

SPECIFICATIONS: (Continued)

Meter Scale:	Length = 4.5 inches marked 0.1 - 10^4 cps and 0 - 1500 Volts “Battery Okay” segment. Other meter scale markings are available.
mR/hr Card:	Transparent meter overlays for mR range matched to probes: optional.
Controls:	Front Panel: Alarm set pot and Alarm reset button.
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-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 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. 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.

TA TECHNICAL ASSOCIATES

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

$Revision: 1.3 $