Analog AC-DC Radiation Monitor
Model ~ LAM-10-A

FEATURES:
- VERSATILE
- ANALOG
- AC OR DC POWER
- 5 LOG 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:

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

Battery Life: Over 200 hours typical life.

Power: 105-125 volts, 50-60 Hz (220 V optional)


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.