DESCRIPTION:

- The LAM rate-meters are rugged and easy to use for laboratory or field application.
- Operated by AC mains or by rechargeable batteries.
- Batteries are automatically put in trickle charge mode when LAM is plugged into the line.
- Use with any TA or compatible probe

FEATURES:

- 6 DIGIT RATE-8 DIGIT TOTAL DOSE
- GAMMA REJECTION
- VERSATILE APPLICATION
- WALL MOUNT OR PORTABLE
- AC OR BATTERY-RECHARABLE
- 5 DECADES
- RECORDER OUTPUT
- SETTABLE ALARM - BEEPER FLASHER
- LARGE DISPLAY READ-OUT (LAM-10DL)
- DATA DOWNLOAD VIA RS232
- INTERNAL DETECTOR (LAM-10D-I)
- OPTIONAL: RS485
- OPTIONAL – USB
- IP65

APPLICATION:

- The LAM-10D series instruments utilize all the standard Technical Associates P and P-S series probes, Geiger and scintillation probes.
- These probes provide versatility and dependability at low cost.
- These instruments are popular in use as lab monitors, exit monitors or as area monitors.
- They are also suitable for survey or contamination work.
AC-DC DIGITAL RADIATION MONITOR
Model Series - LAM-10D & LAM-10DL & LAM-10D-I

SPECIFICATIONS:
RANGES: Choose any probe below or any TA or compatible probe including silicone solid state.
Some choices include:

<table>
<thead>
<tr>
<th>PROBE</th>
<th>DESCRIPTION</th>
<th>RANGE</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL PROBES</td>
<td>ALL PROBES</td>
<td>0.1 1 10 100 1,000 10,000</td>
<td>cps</td>
</tr>
<tr>
<td>GM</td>
<td>Thin window Alpha-Beta, Gamma, X-ray,</td>
<td>.02 .2 2 20 200</td>
<td>mR/h</td>
</tr>
<tr>
<td>P-15</td>
<td>2&quot; dia Pancake</td>
<td>.02 .2 2 20 200</td>
<td>mR/h</td>
</tr>
<tr>
<td>P-6LB</td>
<td>Low background</td>
<td>.1 1 10 100 1,000</td>
<td>mR/h</td>
</tr>
</tbody>
</table>

SCINTILLATOR
PAS-3T | Low Energy Gamma | .01 .1 1 10 | mR/h |
PAS-3H | Low/mid Energy Gamma | .03 .3 3 30 | mR/h |
BGS-2505 | Low Energy BGO probe | .1 1 10 | mR/h |
PNS-20  | Neutron Scintillator        | 0.1 1 10 100 1000 10,000 | n/cm²/s |

LAM-10D-I: Internal Probe: Energy Compensated
Range: .01 – 100 mR/h

OPTIONS:
- Read-out units and range per customer requirements: mR/h, Sv/h, microCuries/ml, etc.
- Computer interface; RS232, RS485, ethernet, etc.
- Complete data logging and acquisition systems

SPECIFICATIONS:
Digital Display: Length = 6 digit rate, 8 digit total dose
Other meter scale markings are available.
Engineering Units: User can input correct conversion factor and change to any units.
Controls: Front Panel: On-Off, Alarm-mute, Rate, Integrate, Reset.
Recessed or Internal: Discriminator level, high voltage, alarm set.
Other adjustable settings: See calibration.
Detectors: Any GM (P-13, P-15, P-6LB, etc.) or alpha, beta, gamma or neutron scintillator (PAS-8, PAS-9, PGS-3, PNS-19, etc.).
Probe Holder: Probe Holder is provided for probe purchased.
Input Sensitivity: Adjustable from less than 1 millivolt to 100 millivolt
Accuracy: ±15%
Anti-Saturation & Dead-time Corrections: Differentiation circuit provides highly effective compensation for coincidence loss. This allows all five decades to accurately read with scintillation detectors.
Calibration: Digital input of calibration factor gives high precision adjustment.
### SPECIFICATIONS Continued:

**Alarm:** 2000 Hz audio tone with audio “mute” switch + RED LIGHT, high current relay. 0-100% of full scale.

- **OPTIONAL:** 3 lights – Red, Yellow, Green

**Serial Output:** Two-way RS-232 standard, **OPTIONAL:** RS-485, Ethernet

**Pulse Output:** Internal 1 volt positive. Other outputs and interfaces are optional.

**Batteries:** 5 amp-Hour Battery Pack with built-in charger.

**Battery Life:**
- 100 Hours in Non Alarm Status
- 18 Hours in Alarm Status

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

**Environmental:** 10º C to 60º C, RH: 50% - 95%

**Construction:** NEMA-4X polycarbonate gasketed case: rugged and splash-proof.

**Weight:** 3 lbs. (1.4kg) including batteries and hardware, excluding probe.

**Dimensions:**
- **LAM-10D:** 10" W x 7" H x 4" D
- **LAM-10D-I:** 10" W x 7" H x 4" D
- **LAM-10DL:** 10" W x 7" H x 6" D

  excluding handle, probe holder, feet, knobs.

**Cables:** 2 meters or user specified up to

- **OPTIONAL:** Wall bracket