

LAUNDRY INSPECTION MONITOR

Model # LIM-19

Model # LIM-20

FEATURES:

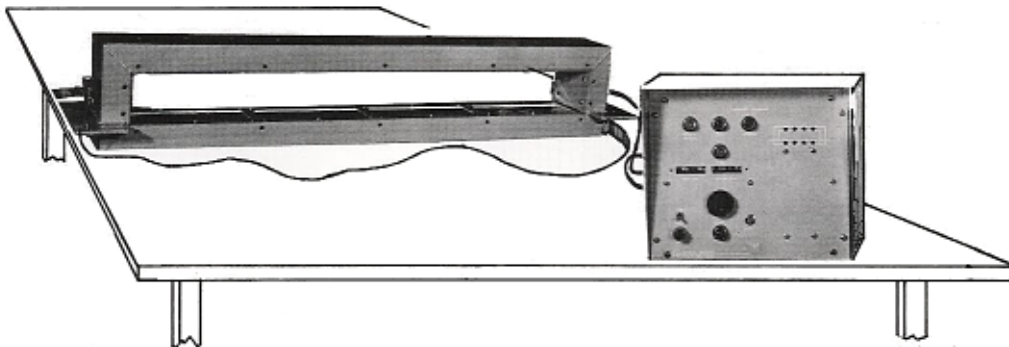
- SETTABLE ALARM
- FAST RESPONSE
- LEAD SHIELDING ON DETECTORS
- AUDIBLE AND VISUAL ALARMS



Figure 1: LIM Meter

The Models **LIM-19** and **LIM-20** Laundry Inspection Monitors are simplified, low-cost instruments for monitoring clothing and equipment worn in Beta/Gamma contaminated areas. Before being sent from the use area or after being washed and prior to re-issue, the material is passed through the monitoring frame where it is scanned by six lead-shielded detectors (**LIM-19**) or eight lead-shielded detectors (**LIM-20**). Laundry material having residual contamination in excess of permissible preset level will cause an immediate alarm. Model **LIM-19** is a single channel unit which feeds information from each of the six detectors to a separate readout and alarm. A TA Model **P-10** Hand Probe is standard equipment with the monitors for the purpose of localizing detected contamination.

Note: Monitors of other fixed or variable yoke configurations or sensitivities are also available. For example, use of large crystal scintillators and/or zero suppress may be incorporated to increase sensitivity. Low Gamma Energy Thin Detector Scintillators plus Single Channel Analyzers may be incorporated to monitor for SNM or other low gamma energy nuclides.



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

\$Revision: 1.1 \$

LAUNDRY INSPECTION MONITOR

Model # LIM-19

Model # LIM-20

SPECIFICATIONS:

	LIM-19	LIM-20
Detector Channels:	One Channel Alarming Ratemeter: 0-500, 5000, 50,000, 500,000 cpm-Full Scale.	Eight Separate Counting Channels plug in circuit cards.
Count Time:	One to Four seconds.	Settable count time, 1 to 99 seconds.
Alarm Setting:	0 to full scale, any scale.	Settable in 100 steps from 10 to 990 counts.
Front Panel Indicators:	Pilot Light for Power- 2 1/2" meter, "Flasher" and sonalert for alarm condition.	Separate Indicator Lights for Each Status: <ul style="list-style-type: none">• "Ready to Count"• "counting"• "count okay"• "count incomplete"• "low background/system fault"• Alarm "Flasher" and sonalert.• Eight contamination locator lights.
Detectors:	6 TA # T-1120 Halogen-quenched GM Tubes. One T-1110 GM tube in hand probe (P-10).	Same as LIM-19 except with Eight detectors in the frame.
Sensitivity:	Less than 0.15 μ Curies (Beta/Gamma).	Less than 0.02 μ Curies (Beta/Gamma).
Total Shipping Weight:	175 lbs	190 lbs.
Shielding:	1/4" lead provides 180 ^o shielding behind each detector to reduce background count and directionalize sensitivity.	
Power Supply Required:	110V, 50-60 hz. (Other operating voltage or frequency Optional)	
Dimensions:	Frame 44" wide x 4" high inside. (Can be varied at Factory within reasonable limits).	

TA

TECHNICAL ASSOCIATES

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

\$Revision: 1.1 \$