

# LAUNDRY INSPECTION MONITOR Pass Through System

Model ~ LIM-19 & Model ~ LIM-20

## FEATURES:

- MANUAL PASS-THROUGH SYSTEM
- SETTABLE ALARM
- FAST RESPONSE
- LEAD SHIELDING ON DETECTORS
- AUDIBLE AND VISUAL ALARMS
- P-10 HAND PROBE FOR LOCALIZING CONTAMINATION

### LIM-19

- SIX DETECTORS
- SINGLE CHANNEL

### LIM-20

- EIGHT DETECTORS
- EIGHT CHANNELS



LIM-19 & LIM-20 MONITOR

## APPLICATION:

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.

## DESCRIPTION:

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: Laundry material having residual contamination in excess of permissible preset level will cause an immediate alarm.

### SHIELDS:

**LIM-19** - six lead-shielded detectors

**LIM-20** - eight lead-shielded detectors

### CHANNELS:

**LIM-19** is a single channel unit which feeds information from each of the six detectors to a separate readout and alarm.

**LIM-20** – is an eight-channel unit which feeds information from each of the eight detectors to a separate readout and alarm

A TA Model **P-10** Hand Probe is standard equipment with these 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.

[Please see the LIM \(Laundry Monitor\) Comparison Chart](#)



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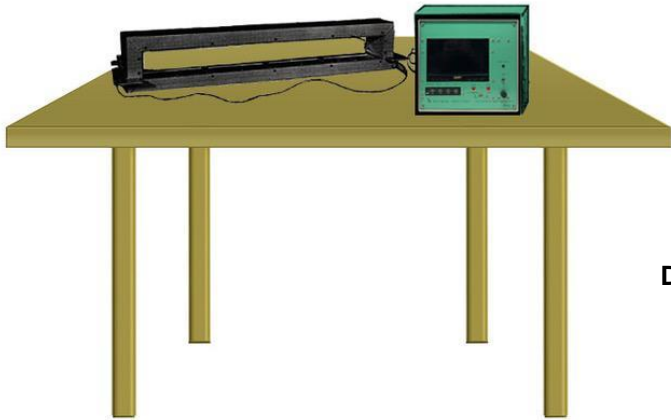


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# LAUNDRY INSPECTION MONITOR Pass Through System

Model ~ LIM-19 & Model ~ LIM-20



**LIM-19 & LIM-20  
DETECTOR RACK, TABLE & METER SETUP**

<b>SPECIFICATIONS:</b>	<b>LIM-19</b>	<b>LIM-20</b>
<b>Detector Channels:</b>	One Channel Alarming Ratemeter: 0-500, 5000, 50,000, 500,000 cpm-Full Scale	Eight Separate Counting Channels Plug In Circuit Cards
<b>Count Time:</b>	One to Four Seconds	Settable count time, 1 to 99 seconds.
<b>Alarm Setting:</b>	0-Full Scale, Any Scale	Settable in 100 steps from 10 to 990 counts
<b>Front Panel Display:</b>	Power Light, 2 ½" Meter, Alarms: Visual 'Flasher', Audio 'Sonalert'	Separate Indicator Lights for Each Status: <ul style="list-style-type: none"> <li>• Ready to Count</li> <li>• Counting</li> <li>• Count Okay</li> <li>• Count Incomplete</li> <li>• Low Background / System Fault</li> <li>• Alarm: Visual 'Flasher', Audio 'Sonalert'</li> <li>• Eight Contamination Locator Lights</li> </ul>
<b>Detectors:</b>	(6) T-1120 Halogen-Quenched GM Tubes (1) T-1110 GM Tube in Hand Probe P-10	Same as LIM-19 Except with Eight Detectors in the Frame (1) T-1110 GM Tube in Hand Probe P-10
<b>Sensitivity:</b>	Less than 0.15 µCuries (Beta / Gamma)	Less than 0.02 µCuries (Beta / Gamma)
<b>Shielding:</b>	¼" Lead Provides 180° Shielding Behind Each Detector to Reduce Background Count and Directional Sensitivity	
<b>Power:</b>	110V, 50-60hz ( <b>Optional</b> – Other Operating Voltage or Frequency)	
<b>Dimensions:</b>	Frame 44" wide x 4" high inside ( <b>Optional</b> – Size can be varied at factory within reasonable limits.	
<b>Shipping Weight:</b>	175 lbs	190 lbs



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