

## Model 4525-7000 Radiation Portal Monitor



### Features

- Monitor Trucks, Rail Cars, Personal Vehicles, etc.
- Two 57 L (3500 in<sup>3</sup>) Highly Sensitive, Industrial Duty Plastic Scintillation Detectors,
- Reliable Operation with Very Low False Positives
- Flexible Configurations Accommodate Up to Four Lanes
- Real-Time Central Data Logging, Reporting, and Alarm Notification
- Bi-Directional Entry
- User-Friendly Operation
- Excellent Service and 24-Hour Tech Support
- 8-Hour Battery Back-Up in Event of Power Loss
- Modular and Upgradeable
- Variety of Options to Customize the System to Meet Your Needs
- Made in USA

### Base System

Part Number: 48-3605

- Two plastic scintillation detectors with individual detector volumes of 57 L (3500 in<sup>3</sup>)
- High gain, low noise, 2 in. dia. photomultiplier tubes (PMTs), 2 ea. per detector; Dual PMT design delivers 30% more efficiency than single PMT designs
- Shock protection to resist vibration-induced noise
- Thermal protection to avoid temperature shock
- Carbon steel frame and detector enclosure
- NEMA 4 rated control box and detector enclosures with white powder-coat for environmental protection
- 6.4 mm (0.25 in.) thick lead shielding on five sides of detector to reduce background
- Low density aluminum detector door for enhanced low energy measurements
- Dual-Channel: Increased sensitivity by analyzing separate Hi and Low Gamma channels with independent thresholds and alarm ratios
- Two pairs of IR sensors
- Alarms: Radiation, Overspeed, Detector Fail
- Model 4525 Series Vehicle Monitoring Software
- Reporting Feature
- Computer Requirements – Windows 7 or higher
- Power: 120 - 240 Vac, 2 A
- Temperature Range: -40 to 150 °F (-40 to 65 °C)

### Recommended Options

- Remote Annunciator Panel (4517-608-100): Provides audible and visible alarm annunciation. Includes 30.5 m (100 ft) cable (other cable lengths available).
  - LED status indicators: POWER OK, CHECKING, GAMMA ALARM, OVERSPEED ALARM, INSTRUMENT FAIL, USING BATTERY POWER
  - Audio Alarm: 85 dB at 30.5 cm (1 ft.)
- Additional Two Pairs of IR Sensors (4511-990-01)
- Stainless Steel Control Box and Detector Enclosure Upgrade
- Fog-Free Plastic Scintillation Detector Upgrade

### Other Available Options

See our website for more information

Ludlum Measurements, Inc. P.O. Box 810, Sweetwater, Texas 79556

Web: ludlums.com Tel: 800-622-0828 / 325-235-5494 Fax: 325-235-4672 Email: sales@ludlums.com

Note: specifications subject to change without notification. We are not responsible for errors or omissions.

April 2024