

# PORTABLE PERSONNEL & PACKAGE MONITOR

Model Series ~ QUICKSCAN-PPM

Model ~ QUICKSCAN-PPM-F & Model ~ QUICKSCAN-PPM-L

## FEATURES:

- COMPLETELY PORTABLE
- DESIGNED FOR COVERT SURVEILLANCE
- SUITCASE OR WHEELED ROLLER CASE
- QUICK SET UP
- OPTIONAL -VIDEO – REAL-TIME DISPLAY & CAPTURE
- **OPTIONAL:** WIRELESS REMOTE NOTIFICATION – PHONE, EMAIL, TEXT, ETC.
- HIGH SENSITIVITY DUE TO LARGE SURFACE AREA
- DETECTS BETA & GAMMA RADIATION
- OPERATES ON RECHARGEABLE BATTERIES or AC
- CAN ALARM AT 7  $\mu$ R/hr CHANGE IN 1 SECOND
- (1) PLASTIC SCINTILLATOR:
  - **QUICKSCAN-PPM-F** - ONE 294 in<sup>3</sup> (ROLLER CASE)
  - **QUICKSCAN-PPM-L** - ONE 126 in<sup>3</sup> (SUITCASE)
- DYNAMIC BACKGROUND SUBTRACT
- CONTINUOUS OPERATION: "SET & FORGET"
- COMPLETELY WEATHER PROOF
- DATA DOWNLOAD VIA USB & ETHERNET
- **IP66**



QUICKSCAN-PPM-L ~ QUICKSCAN-PPM-F

## APPLICATION:

Designed for easy handling to covertly screen for radiation emissions from a person or from a package.

## SCENARIO:

In a crowd the QUICKSCAN-PPM Series makes covert screening possible with the handheld suitcase Model **QUICKSCAN-PPM-L** or with the roller case **Model QUICKSCAN-PPM-F**. The vibration alarm is felt in the handle and the visual alarm is a light next to the handle. **Optional** Video and wireless remote notification.

## DESCRIPTION:

- Portable control / alarm module plus one portable weather proof detector housings.
- Computer – built-in operating on same battery pack as detector
- Background is continually updated and subtracted thus giving net reading for person or package.
- Vibration and visual alarms. **Optional** Video recording and wireless remote notification.
- Standard set up handheld suitcase: **QUICKSCAN-PPM-L**.
- Standard set up roller case: **QUICKSCAN-PPM-F**.
- Operates on built-in rechargeable batteries or 110/220 AC. Model **QUICKSCAN-PPM** is a high sensitivity Beta/Gamma Monitoring system for determining possible radiation emissions on people and from packages on a non-pause basis.




**TECHNICAL ASSOCIATES**  
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#### SPECIFICATIONS:

- **Detectors** premium Plastic Scintillator with a wide temperature range:
  - **QUICKSCAN-PPM-F** 1 ea. 21" x 7" x 2".
  - **QUICKSCAN-PPM-L** 1 ea. 9" x 7" x 2"
- **Volume:**
  - **QUICKSCAN-PPM-F:** 294 in<sup>3</sup> detector.
  - **QUICKSCAN-PPM-L:** 126 in<sup>3</sup> detector.
- **Surface Area:**
  - **QUICKSCAN-PPM-F:** 147 in<sup>2</sup> detector.
  - **QUICKSCAN-PPM-L:** 63 in<sup>2</sup> detector.
- **Sensitivity:** Detects 1 uCi of Cs-137 anywhere within 30 inch radius of target 10 second count.
- **Range:** 1 uR/hr to 1 mR/hr.
- **Rate of Change:** Fast Alarming

#### DETECTOR

- **Power Requirements:** Standard rechargeable batteries. **Optional AC**

#### COMPUTER

- **Power Requirements:** Operates on built in rechargeable batteries for detector.  
Battery charger is included.
- **Alarm:** Vibrational and small flashing red light – User Settable

#### PORTABLE CASES INCLUDE DETECTOR AND ELECTRONICS

Weather-tight NEMA rated tough, durable, lightweight.

A "tongue-in-groove" continuous O"-ring system makes the case water, moisture, and dust tight, & a low profile pressure release valve.

#### QUICKSCAN-PPM-F: WHEELED

- **Dimensions:** **QUICKSCAN-PPM-F:** 16 ½ in wide x 37 in long x 6 in deep
- **Weight:** **QUICKSCAN-PPM-F:** 32 lbs

#### QUICKSCAN-PPM-L: HAND CARRY

- **Dimensions:** **QUICKSCAN-PPM-L:** 14 in wide x 19 in long x 4 ½ in deep
- **Weight:** **QUICKSCAN-PPM-L:** 15 lbs



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- **Operating Temperature:** 32° to 135° F (0° to 55° C) with Webcam  
32° to 158° F (0° to 70° C) without Webcam
- **Operating Humidity:** 20% - 85% non-condensing with Webcam  
5% - 90% non-condensing without Webcam
- **Electronics:** On / Off Switch, Low Battery, Loss of Signal.
- **Background Compensation:** Background is manually updated and continuously subtracted.  
(User can set parameters.)
- **Energy Range:** Gamma: 40 KeV to 6 MeV. Beta: above 1 MeV,
- **Communications:** Built-in serial port and Ethernet Node.
- **Set-Up:** One touch set-up.

#### \*ADDITIONAL OPTIONS:

- **Video** - Streaming with **still capture** when sensor trips
- 220 V, 50-60 Hz.
- Specific detectors e.g. for Neutron or Beta emitters
- Wireless Remote Notification – Phone, Email, Text, Etc.



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