

LINCmrs

Mobile

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LINCmrs

Manufactured by Safe Environment Engineering and powered by FLIR the LINC Mobile Radiological System (LINCmrs)is versatile self-contained wireless multimission radiological isotope detector easily configured for different types of monitoring requirements. Examples include mobile vehicle systems, portal applications, fixed facility and grouped for events requiring increased sensitivity detection.



Transportable

Fixed

Integrated Software Tools



٥	FLIR S900 Manager	<u></u>				Status	1	i - X
ſ	Configurations							x
	Firmware Client	t Server Administration	Nuclides	Detection	Data	a Remote	Notificatio	ons ►
	Tc-99m	Descriptive Name Technetium-99m		Innocent	*	MED	v	
	Th-232/U-232	Thorium-232/Uranium-232	✓	Innocent	v	NORM	v	
	TI-201	Thallium-201	 Image: A start of the start of	Innocent	~	MED	v	
	U-232/Th-232	Uranium-232/Thorium-232		Threatening	×	SNM	v	
	U-233	Uranium-233		Threatening	*	SNM	×	
	U-238	Uranium-238		Threatening	×	SNM	×	
	🛦 du	D Uranium		Suspicious	۲	IND	v	
	THEU	HE Uranium-235		Threatening	×	SNM	×	
	Wg.Pu	WG Plutonium		Threatening	*	SNM	v	
	Wg.PuS	WG Plutonium		Threatening	*	SNM	v	
	() Xe-133	Xenon-133	√	Innocent	v	MED	v	Ļ



Wireless Smartphone remote control providing simple single click operation for multi LINCmrs control. **Configuration** - Users can custom configure isotope detection alarm and warning states to meet their unique facility or incident requirements

naroawing Chat re	CAP Net Ra	Responde	GPS SEECAM Training battery cellaig	
		S	mart - Gatewav	
sensor	reading	unit	other	
battery	14.68	٧		
Signal	-73.00	dBm	low=-75 high=-80	
CPU Core #1 127.4		°F	low=155.2 high=164.9 (114.8 194)
CPU Core #2	123.8	°F	low=155.2 high=164.9 (111.2 194	H)
CPU Core #3	109.4	°F	low=155.2 high=164.9 (98.6 194)	
CPU Core #4	113	°F	low=155.2 high=164.9 (100.4 194)
Night Mode				
ctivity ID Sy	stem	- Tra	ning 🛛 Use Average of 3 readings	
	-			

Integrated Monitoring Application – Monitors all aspects of the LINCmrs. This Meter Application monitors the detector's readings, internal battery level, LTE signal strength and quality, computer temperature /memory use and GPS location information. The application provides warning and alarms in the event of a low battery, poor coverage and/or excessive heat conditions and can report radiological data to RadResponder

Life-line MultiMeterViewer

Tayle Yange Mail United Team Subject Scale Subject Scale Dista Subject Scale Subj	Md VD/b Fall VD/b VD/b Fall Md Md Md Md VD/b Md Md Md VD/b Md Md Md VD/b Md Md Md VD/b VD/b Md Md Md VD/b VD/b	Holp Holp spin of Service URG	155 Staderw2/156 Jac 156 Jac 150 Jac	
Image: Control of the contro	Sergensentis-, sal Sergensentis-, sal max-102, 427% Sergensentis-, sal max-102, 427% Sergensentis-, sal Sergensentis-, sal Se	34 downprign (gr. val) 14 downprign (gr. val) 15 down (gr. Vol) (2000) 15 down (gr. Vol) (200	A Second	
Constant of the second	Safetonitant tar., sul Infectionitant tar., su	Sefetratoritor, us1 ember-100.42012	Safagonaport par - saf Safagonaport par - saf	SafeEaviernemetEagineering KML Network Links

Life•line MultiMeterViewer (MMV) provides an overview of multiple LINCmrs and other detection instruments in a real time display. The software functions as an instant command center, displaying data and providing both audible and visual alarms. A geographical information system (GIS) interface provides instrument information including tracking and survey information as map layers. Web Interfacing provides product info, references, alarm settings, guidance documents and more. The CT-Analyst[®] plume modeling module provides accurate, instantaneous, 3D predictions of chemical, biological, & radiological (CBR) agent transport both in urban and site specific environments.

Specifications

General **Cellular Router - Cradlepoint** Size: 7.3" x 5.8" x33" (18.5 x 14.7 x 83.8 cm) Weight:18lbs LTE: Embedded LTE-Advanced 600 Mbps Modem & DC-HSPA+ Fallback Antennas: Omni Directional, 2.4GHz, 5dBi, SMA WiFi: Dual-band, dual-concurrent WiFi; 802.11 a/b/g/n/ac wave 2 Dipole Blade, 698-2700MHz, 2/3dBi, SMA GPS, 1575MHz, -0.5dBi, SMA Carriers: All North American, European & Asia Pacific, Saudi Arabia Power: Battery Li-ion 15 Hour Operation Ethernet Ports: 2 LAN/WAN switchable 10/100/1000 AC 100-240V 50/60Hz 0.8A GPS/GNSS: TAIP & NMEA 0183 V3.0 DC 14V 2.0A Lights: None - Remote Smartphone Operation Cloud Managed: NetCloud Manager Connector: MIL-DLT-26482 Power, Bluetooth Detectors Integrated Computer Gamma Nal: 2 in (50.8 mm) 3 in (76.2 mm) Processor: Gamma (High Dose Rate): Energy Compensated Intel Cherry Trail Z8350 Quad Core Geiger-Müller Detector Base Frequency: 1.44GHz (1.92GHz Burst Frequency) Neutron ³He Proportional Counter Tube: 19 mm Operating System: Windows 10 IoT Enterprise (0.75 in) 106.7 mm (4.20 in); net: 18 mm (0.71 in) RAM: 4GB DDR3L 75.7 mm (2.98 in); 8 atm (8.106 bar); surrounded by Storage Capacity: 64GB polyethelene moderator GPU: Intel HD, 12 EUs @200-500Mhz, single-channel memory Performance **USB:** 3.0 x 1, USB 2.0 x 2 Energy Resolution: Typically ≤ 8 % FWHM at 662 Connectivity: keV at 20 °C (68 °F) ambient temperature Wi-Fi 802.11n 2.4G Energy Range (Gamma Spectrum): 20 keV - 3 MeV Bluetooth 4.0 Throughput: > 100 kcps Integrated Arduino Co-processor: ATmega32u4 (Leonardo) Input Count Rate: 300 kcps Video output: HDMI and MIPI-DSI Auto Calibration: Yes Onboard touch panel overlay connector Corrections: Deadtime corrected realtime Supports 100Mbps Ethernet Spectrum Linearization: Real-time gamma spectrum Intel Processor GPIO x 6 linearization ATmega Processor GPIO x 20 Dose Rate Range: 0.01 µSv/h - 1 Sv/h Gravity Interface Connectors x 6 Dose Rate Resolution: 10 nSv/h Dose Rate Accuracy: 30 % (50 keV - 1500 keV) Energy Range (Dose Rate): 50 keV - 1500 keV Contact Neutron Sensitivity:11 cps/nv 20%, thermal neutrons Stabilization: LED and 40K Safe Environment Engineering Measuring Modes: PHA; MPHA 28320 Constellation Road Environmental Ambient/Operating Temperature: -15 °C - +50 °C Valencia, CA 91355 (+5 °F - +122 °F) Storage Temperature: -30 °C - +70 °C (661) 295-5500 (-22 °F - +158 °F) Humidity: 10 % - 80 %; Non Condensing www.safeenv.com • info@safeenv.com Protection Rating: IP 54





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