Berkeley Nucleonics Corporation

Press Release, July 27, 2009

Eagle Operating System for Model 940 SAM Defender and SAM Revealer

New for fiscal 2010, Berkeley Nucleonics has upgraded the SAM 940 family to include our latest in firmware development.

Eagle OS, the new upgrade, utilizes our fastest processor in conjunction with laboratory testing, patented algorithms, and GPS technology resulting in an ANSI compliant isotope identifier. With precision and simplicity, the SAM 940 detects, identifies and exports all data in real time.

The SAM Defender and SAM Revealer are the latest in a growing line of isotope identification technologies offered by Berkeley Nucleonics. Isotope identification is accomplished using spectral pattern characterization of radioisotopes. Users now have a wide range of radiological projects which they can address using on-site and off-site resources.

"We have minimized the number of keystrokes for all applications. For example, acquisition followed by identification and a report is accomplished with a single keystroke. This new, faster Eagle firmware provides mobile applications with real time detection and analysis. For a non technical user, our new intuitive menu structure and standard key pad supports ease of use,"comments Robert Corsetti, Nuclear Applications and Programs Manager."

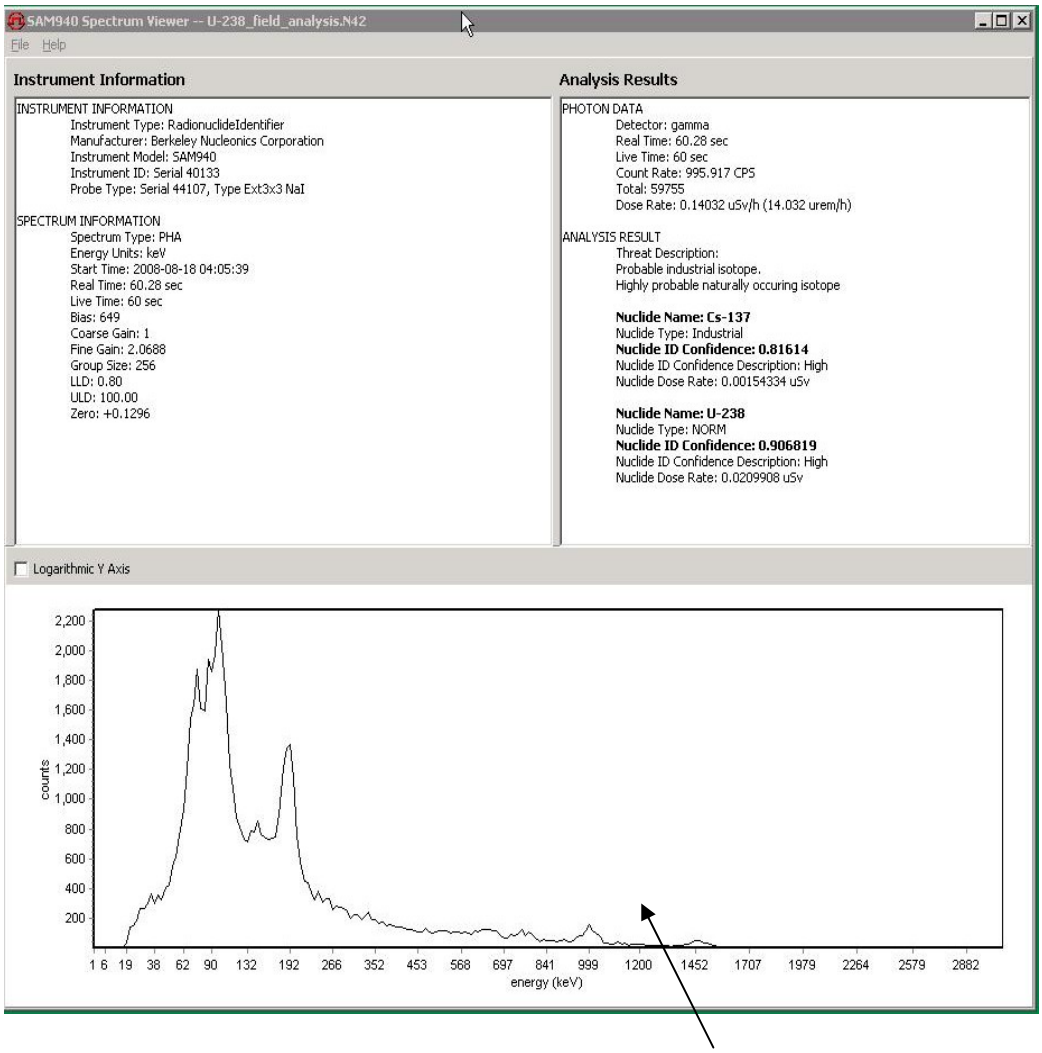
About the Company

BNC's radiation detection products are popular for dosimetry, and isotope identification in use many federal agencies, including HazMat teams, fire fighters, law enforcement, and border protection personnel. Our BNC analytical products offer real time medical, industrial, SNM, and NORM nuclear isotope identification. From pager to portal, the company offers a program of radiation detection with a comprehensive approach to detection and disposition. Our cooperative efforts with numerous State and Federal agencies give BNC customers the confidence they need when developing radiation detection activities.

BNC offers an accredited training program which provides attendees with a comprehensive understanding of the principles and techniques involved in radiation detection and isotope identification. This program also provides accredited training(s) and can educate new or experienced users. Regional courses or on-site courses are available. Since 1963, BNC has been a pioneer in nuclear instrumentation.

2955 Kerner Blvd. San Rafael, CA 94901-5533 Tel 800-234-7858 Fax 415-453-9956 www.BerkeleyNucleonics.com

Additional Information on Eagle Operating System



Off-site Report

Eagle OS Features
-Data on Demand
-Export Capabilities
-ID Confidence Boost
-Enrichment Level
HEU / LEU Analysis
-Color Coded ID
-Hands Free Calibration
-Library Enhancement
-GPS Compatibility

Eagle OS Applications
-GPS Mapping of Radiological Movement
-Supports City Based Radiation Tracking
-PC-Link with SAM-Control software
-CPS and GPS reports exported every Five Seconds
-Real –Time Vehicle Monitoring
-DOE and DNDO supported File format
-Confirm Medical Treatments

Specifications

Communication	Serial, Ethernet, Custom
File Types	ANSI N42.42, User Defined
Spectrum Resolution	Down to 3% at Cesium (662 keV)
Operating Temperatures	-20 to +50 degree C
Power Options	Vehicle, AC, Battery
Telemetry	Cellular, WiFi, Radio

Technical Point of Contact:

Robert Corsetti
800-234-7858 x250
robert.corsetti@berkeleynucleonics.com

Media Contact:

Bernadette Murphy
800-234-7858 x210
bernadette.murphy@berkeleynucleonics.com