FlexSpec

RADIATION DETECTION SYSTEMS

LOCATE IDENTIFY RESOLVE

MOUNTING CONFIGURATIONS

MARITIME

AIRBORNE

VEHICLE MOUNTED

FIXED-SITE

FLEXSPEC X8400

MODULAR RADIATION DETECTION SYSTEMS

☑ RUGGED ☑ USER-FRIENDLY ☑ VERSATILE

DEFENSE FIRST RESPONDER INDUSTRIAL

MISSION READY.

GAMMA SPECTROSCOPY.
NEUTRON COUNTING.
ISOTOPE IDENTIFICATION.
DIRECTIONAL LOCALIZATION.
AUDIBLE ALARMS OF DIRECTION AND ISOTOPE.
MULTIPLE END USER DISPLAYS.
SIMPLE REACHBACK PROCEDURES.
MODULAR AND WEATHERPROOF.

BTI BUBBLE Technology Industries
www.bubbletech.ca

FlexSpec
RADIATION DETECTION SYSTEMS

FLEXSPEC X8400

STANDARD FEATURES

- INSTANTANEOUS AND RELIABLE ISOTOPE IDENTIFICATION AND ALARM CATEGORIZATION.
- LEFT VS RIGHT DIRECTIONALITY FOR GAMMA AND NEUTRON DETECTION.
- AUTOMATICALLY ADJUSTS TO RURAL, URBAN, MARITIME, AND AIRBORNE ENVIRONMENTS USING DYNAMIC BACKGROUND COMPENSATION.
- RUGGED KIT EASILY MOVED ACROSS VARIOUS PLATFORMS WITHOUT SPECIAL TOOLS.
- REAL-TIME MAPPING OF ALARMS USING GPS.
- REMOTE MONITORING AND OPERATION USING WI-FI; A CELLULAR CONNECTION IS ALSO AVAILABLE.
- HIGHLY SCALABLE SYSTEM CAN SUPPORT UP TO 14 DETECTOR MODULES.

STANDARD TECHNICAL SPECIFICATIONS

GAMMA AND NEUTRON SENSORS	Each integrated gamma/neutron Detection Module contains a 2” × 4” × 16” NaI crystal and an array of ^{6}LiF/ZnS neutron detectors. Gamma energy resolution better than 8% at 662 keV. No ^{3}He gas.
SIZE AND WEIGHT	**Mobile**: A 4GN Mobile system (with 4 Detector Modules) fits inside a 24”L × 18”W × 18”H footprint without detector stands. Weight is approximately 235 lbs. **Maritime:** A 2GN Maritime system (with 2 Detector Modules) is supplied with a 30”L × 20”W × 14”H pod and weighs approximately 125 lbs. **Airborne:** A 4GN Airborne system (with 4 Detector Modules) is supplied with a 60”L × 20”W × 14”H pod and weighs approximately 215 lbs. Internal aircraft mounting options are also available. **Fixed-Site:** Custom Fixed-Site configurations are available for pedestrian and vehicle monitoring.
POWER	Operates on Li-ion batteries (included), vehicle power (10 to 30 VDC), or 115 VAC.
ENVIRONMENTAL	Operating -30°C to +55°C (-22°F to +131°F). Storage -40°C to +70°C (-40°F to +158°F).
CONNECTIVITY	System provides a high degree of connectivity, supporting Wi-Fi, Ethernet, RS-232, USB, and cellular.
REACHBACK	Data are GPS tagged and time stamped. Cellular connection allows data to be rapidly sent from the field to reachback centers. Data can also be transferred over Wi-Fi or wired connection. Software automatically populates key fields for reachback reports. Data provided in ANSI N42.42 (2020) format.
SOFTWARE	Software runs on a Windows 10 laptop or tablet with interactive touchscreen and visible/audible alarms. Intuitive user interface was designed with extensive end-user inputs, providing dose rate, user-selectable count rates or spectral plots, and mapping of radiation data using GPS. System delivers high-performance, proven isotope identification and alarm categorization (threat, suspect, industrial, medical, NORM) with directional indicators. Library contains over 40 isotopes, including all isotopes from ANSI N42.53.

FIND THE PERFECT MATCH FOR YOUR MISSION SPACE.

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