

LOCATE IDENTIFY RESOLVE



FlexSpec

RADIATION DETECTION SYSTEMS

FlexLink

CONFIGURATIONS



VESSEL MOUNTED



VEHICLE MOUNTED



CHECKPOINTS



SCREENING

X5400 AND X5600

BACKPACK/PORTABLE DETECTION MODULE

- RUGGED
- USER-FRIENDLY
- VERSATILE



DEFENSE



FIRST RESPONDER



INDUSTRIAL

MISSION READY.

- GAMMA SPECTROSCOPY.
- NEUTRON COUNTING.
- ISOTOPE IDENTIFICATION.
- DIRECTIONAL LOCALIZATION.
- AUDIBLE ALARMS OF DIRECTION AND ISOTOPE.
- MULTI-UNIT DETECTOR ARRAYS VIA FLEXLINK.
- MULTIPLE END USER DISPLAYS.
- SIMPLE REACHBACK PROCEDURES.
- LIGHTWEIGHT AND WEATHERPROOF.



BT BUBBLE
Technology Industries
www.bubbletech.ca



STANDARD FEATURES

- SUBDUED BAG AESTHETIC FOR LOW VISIBILITY OPERATIONS.
- REMOVABLE HOOK AND LOOP PATCH FOR IDENTIFICATION.
- INTERNAL FOAM INSERT FOR PORTABLE DETECTION MODULE (PDM) PROTECTION AND EVEN WEIGHT DISTRIBUTION.
- HASSLE FREE TRANSFER OF PDM TO OTHER CONFIGURATIONS OR PACKS.

OPTIONAL

- PDM LASER ENGRAVED LOGOS.
- SPARE BATTERY PACKS.
- FAST BATTERY CHARGERS.
- TRIPODS.
- WALL MOUNTS.
- TABLET COMPUTERS.
- SMARTPHONE PROTECTIVE CASE.
- AUXILIARY WIRED ALARM ANNUNCIATORS.
- REMOTE POWER SWITCH.
- PADDED TRANSPORT CASE WITH ORGANIZATIONAL INSERTS.
- SMARTPHONE INTERFACE.
- BLUETOOTH EARPIECE.

STANDARD TECHNICAL SPECIFICATIONS

SIZE	PDM dimensions 11.6" x 15.2" x 4.5". Weight < 22 lbs. including neutron detectors, two battery packs, and backpack.
POWER	Rechargeable, hot-swappable, Li-ion battery packs with > 12 h run time. Batteries can be charged in the system while operational. Charger cables (AC and vehicle power) connect using a locking IP67 connector.
ENVIRONMENTAL	Operating -20°C to +50°C (-4°F to +122°F). Storage -40°C to +70°C (-40°F to +158°F). Protection against the ingress of water and dust.
GAMMA AND NEUTRON SENSORS	X5400: Two 2" diameter x 4" long NaI(Tl) crystals, gamma energy resolution < 8% at 662 keV. X5600: Two 2" x 4" NaI(Li) crystals, gamma energy resolution < 8% at 662 keV, enhanced neutron sensitivity. NaI(Tl) and NaI(Li) data are recorded using 2048 spectral channels. Both systems include Geiger-Mueller tubes for operation at gamma dose rates up to 500 R/h and an array of lithium-based neutron detectors with total active surface area > 120 in. ² . No use of ³ He gas.
CONNECTIVITY	PDM connects by secure Wi-Fi to one or more Android or iOS smartphones or tablets. Android devices can connect to the PDM using a USB cable in wireless-denied environments.
REACHBACK	All 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 to a laptop over Wi-Fi or wired connection. Software automatically populates key fields for reachback reports. Data provided in ANSI N42.42 (2020) format.
SOFTWARE	Intuitive user interface provides dose rate, user-selectable count rates or spectral plots, and mapping of radiation data. 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. FlexLink software enables PDMs to be wirelessly linked to operate as a single system with improved detection sensitivity. A number of FlexLink configurations are available.

FIND THE PERFECT MATCH FOR YOUR MISSION SPACE.