

LOCATE **ASSESS** RESOLVE



FlexSpec

RADIATION DETECTION SYSTEMS

FlexLink

CONFIGURATIONS



VESSEL MOUNTED



VEHICLE MOUNTED



CHECKPOINTS



SCREENING

X5300 AND X5500 BACKPACK/PORTABLE DETECTION MODULE

- RUGGED
- USER-FRIENDLY
- VERSATILE



DEFENSE



FIRST RESPONDER



INDUSTRIAL

MISSION READY.

- GAMMA AND NEUTRON DETECTION.
- DIRECTIONAL LOCALIZATION.
- AUDIBLE ALARMS.
- MULTI-UNIT DETECTOR ARRAYS VIA FLEXLINK.
- MULTIPLE END USER DISPLAYS.
- SIMPLE REACHBACK PROCEDURES.
- LIGHTWEIGHT AND WEATHERPROOF.



BT BUBBLE
Technology Industries
www.bubblotech.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	X5300: Two 2" diameter x 4" long NaI(Tl) crystals, gamma energy resolution < 8% at 662 keV. X5500: Two 2" x 4" NaI(Li) crystals, gamma energy resolution < 8% at 662 keV, enhanced neutron sensitivity. 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 and mapping of radiation data. System delivers high-performance, proven gamma and neutron detection with directional indicators. 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.