

PYLON AB6A

Portable Radiation Monitor

The reliable, versatile, and user-friendly solution for a wide variety of radiation monitoring applications.



We understand that reliable radon detection is not a luxury - it is an absolute necessity.

The Pylon AB6A Portable Radiation Monitor is our next generation laboratory-grade instrument for fast, accurate measurement of radon levels.

Every bit as reliable as our previous monitors, it incorporates advanced technology and user-friendly features for enhanced performance and versatility.

Backed by over 30 years of radon and thoron detection and measurement expertise, superior engineering, and world-class customer service, the Pylon AB6A provides radon detection you can depend on.

Key Features

Field Readiness	Compact, lightweight unit with rechargeable battery and built in photomultiplier tube (PMT)	Customizable Solution	Adjustable PMT high voltage and discriminator settings, pre-programmed methods and optional internal pump
Modular Versatility	Multiple detectors interface with internal PMT enabling a variety of measurements	Automated Calculations	For some measurements, eliminates need for manual calculations from raw data
LCD Touch Screen	Intuitive, efficient user interface offers increased visibility and data entry options	User Calibration	Simplified programming and operation saves time and expense of factory calibrations
USB/Pulse Interfaces	Host and client USB interfaces for fast, efficient data transfers and pulse output port for external data logging	Safety and Reliability	Compact, rugged sampling cells ideal for environments that require safe equipment operation

Applications

- Continuous Monitoring
- Grab Sampling
- Environmental Studies
- Area Scanning
- Field Surveys
- Uranium Mining/Production/Exploration
- Oil & Gas
- Governments
- Educational Institutions
- Research Facilities
- ... And More





“I have been associated with Pylon and their products for more than 25 years. Not only are their products accurate and reliable, but they have proven to be important tools in the scientific community. I look forward to the next generation of Pylon products.”

Dr. Georges Vandrish - Instruscience Ltd.

Technical Specifications

GENERAL

Mode of Operation: Multiple
 Sample & Count Periods: User programmable
 Maximum Counting Rate: 10,000 cps
 Electronic Background: < 0.4 cpm

DETECTOR

Detector: Active and passive Lucas type scintillation cells (sold separately)
 Detection Specifications: Available in respective detector brochures

POWER

Power Supply Requirements: 12 - 14.7 Vdc 1.2 A - 110/220 Vac adapter/charger included
 Battery: Integrated 12V gel cell
 Battery Operating Time: 7 Hrs. without pump
 Battery Charge Time: 8 Hrs.

FEATURES

Display: 17.8 cm (7 in.) colour touchscreen LCD
 Memory: 16 GB SD memory card

Data Ports: 1) USB host port
 2) USB client port
 3) 5V TTL pulse via SMA connector
 Lid: Removable

PUMP (sold separately and user installable)

Pump Flow Rate: 0 to 2.5 l/min - User adjustable

ENVIRONMENTAL

Operating Temperature Range: 0 to +40 °C (32 to +104 °F)
 Storage Temperature Range: -20 to +60 °C (-4 to +140 °F)
 Relative Humidity Range: 0 to 90 % - Non-condensing

DIMENSIONS

Width: 31 cm (12 in.)
 Depth: 23 cm (9 in.)
 Height: 20 cm (7.75 in.)
 Weight: 5 kg (11 lb.)

Ordering Information:

Model AB6A Monitor: Order part number 7102000.
 Model 6800 Optional Pump: Order part number 7101200.

Values are nominal and based on new units.
 Specifications subject to change without notice.
 Trademarks are the properties of their respective holders. All Rights Reserved.

Contact a Representative

Pylon Electronics Inc.
 147 Colonnade Road
 Ottawa, ON K2E 7L9
 Canada

T: 613.226.7920
 F: 613.226.8195
 E: instrument@pylonelectronics.com
www.pylonelectronics.com