

# PYLON AB7

## 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 AB7 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 AB7 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
Networking	WiFi and Ethernet connectivity	Safety and Reliability	Compact, rugged sampling cells ideal for environments that require safe equipment operation
USB/Pulse Interfaces	Host and client USB interfaces for fast, efficient data transfers and pulse output		

## 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  
 Networking: WiFi and Ethernet connectivity  
 Web App interface

Data Ports: 1) USB host port  
 2) USB client port  
 3) 5V TTL pulse via SMA connector  
 4) Ethernet Port  
 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 AB7 Monitor: Order part number 7103000.  
 Model 6800 Optional Pump: Order part number 7101200.

Values are nominal and based on new units.  
 Specifications subject to change without notice.  
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## Contact a Representative

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