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 AB7provides radon detection you can depend on.

Key Features

Field Readiness	Compact, lightweight unit with rechargeable battery and built in photomultiplier tube (PMT)
Modular Versatility	Multiple detectors interface with internal PMT enabling a variety of measurements
LCD Touch Screen	Intuitive, efficient user interface offers increased visibility and data entry options
Networking	WiFi and Ethernet connectivity
USB/Pulse Interfaces	Host and client USB interfaces for fast, efficient data transfers and pulse output
Customizable Solution	Adjustable PMT high voltage and discriminator settings, pre-programmed methods and optional internal pump
Automated Calculations	For some measurements, eliminates need for manual calculations from raw data
User Calibration	Simplified programming and operation saves time and expense of factory calibrations
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
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 AB7A 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.

Contact a Representative

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