PYLON AB6
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 AB6 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 AB6 provides 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

USB/Pulse Interfaces
Host and client USB interfaces for fast, efficient data transfers and pulse output port for external data logging

Enhanced Compatibility
Includes PC software for measurement, reporting, and remote monitor set-up and operation

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 intrinsically safe equipment

Applications

- Continuous Monitoring
- Uranium Mining/Production/Exploration
- Grab Sampling
- Oil & Gas
- Environmental Studies
- Governments
- Area Scanning
- Educational Institutions
- Field Surveys
- Research Facilities
... And More
Datasheet: DS129 Rev 1

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 4 A - 110/220 VAC adapter/charger included
Battery: Integrated 12V gel cell
Battery Operating Time: 22 Hrs backlight off, without pump
5 Hrs backlight on, without pump
Battery Charge Time: 5 Hrs

FEATURES
Display: 14.5 cm (5.7 in.) colour touchscreen LCD
Memory: 1) 1 GB SD memory card
2) 2 GB USB memory stick

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 lpm - User adjustable

ENVIRONMENTAL
Operating Temperature Range: 0 to +40 °C (-32 to +122 °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: 6 kg (13 lb.)
*Values are nominal.

Ordering Information:
Model AB6 Monitor: Order part number 7100000.
Model 6100 Optional Pump: Order part number 7100140

“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.

Contact a Representative