



AB6

Portable Radiation Monitor

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

The AB6 Portable Radiation Monitor is the latest 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 AB6 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 intrinsically safe equipment
Enhanced Compatibility	Includes PC software for measurement, reporting, and remote monitor set-up and 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

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 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.

Specifications subject to change without notice.
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