

SPECIFICATION	AMS-4	SabreBPM
Size	22.4" H x 16.6"W x 8.75" D (Display, pump, and radial head)	11" H x 13" W x 5" D (Display w/ integral pump & radial head)
Weight	30.7 pounds (Display, pump, and radial head)	8.3 pounds (Complete instrument w/ internal pump)
Detector	Sealed proportional	Solid-state, ion-implanted silicon
Guard Detector	Sealed proportional	Solid-state, ion-implanted silicon
Power	115/230 V AC	12 VDC (120 VAC Adapter Included)
Battery	Not Available	8.4V Li-Ion (8 hour run-time)
Pump	56 LPM, rotary-vane, vacuum	6.0 LPM, diaphragm-type
Temperature Range	0-50 C (32-122F)	-20 to 50C (0-122F)
Humidity	0-95% Non-condensing	5-100% (Non-Condensing)
Housing	Metal Enclosure	Fiberglass NEMA Dust-tight and sheds water
Communication Ports	RS-232/RS-485	USB
Wireless	Separate UTX Box	Built-in WiFi Card Supports 802.11g & WPA/WPA2
Display	2 line x 20 character dot matrix	Touch-screen active-matrix QVGA
Keypad	Numerical	Touch-screen
Filter Size	47 mm	37 mm
Filter type	Fixed	Fixed (Moving-Filter upcoming)
Radial Sampling for beta particulates	Separate sampling head	Built-in
Iodine Monitoring	Using charcoal filter paper	Using charcoal filter paper
Noble Gas	Separate head	Separate head
In-Line Sampling	Separate head	Separate head
Background Subtraction	Gamma factor ratio	Real-time compensation for Changing ambient gamma bkg
Radon Rejection	Fixed ratio	Peak-fitting algorithm for Radon progeny
Efficiency	5% Co-60/12% Sr-Y-90	20% Sr-Y-90/14% Cl-36
Sensitivity (MDC) Sr/Y-90 30-minute analysis time 10 uR/h gamma bkg	4.0 x 10 ⁻¹¹ uCi/cc	3.0 x 10 ⁻¹¹ uCi/cc
Data Logging	2000 entry buffer	Internal memory or Removeable SD memory card (Data and/or spectrum logging)
Country of Origin	Germany	United States
Approximate Price Radial head/pump/wireless	\$15,020.00	\$12,245.00