

## DETECTOR TYPE DESCRIPTIONS FOR AIR & STACK MONITORS

ACTIVITIES MEASURED	DETECTOR DIAMETER	WINDOW MATERIAL	TYPE STANDARD	OPTIONAL TYPES	PRICE PER cm <sup>2</sup>
Beta Gamma Particulate	2"	MICA	GM		
Iodine & Airborne Rad Chemicals	2"	Aluminum	Nal(Tl)		Middle
Nobel Gas	2"	MICA	GM		Low
Nobel Gas	Large Area	Mylar		Beta Scintillator	Low
Nobel Gas	Large Volume	None		Ion Chamber	Middle
Tritium		None	Ion Chamber		Middle
AIR OR GAS FILLED	OUTPUT SIGNAL	LOW LEVEL SENSITIVITY	ENERGY DESCRIMINATION	ELECTRONICS	PRICE PER cm <sup>2</sup>
Ion Chamber	Current	Fair	No	DC Amplifier	Middle
Proportional Detector		Good	Good	Pulse Amplifier	High
GM – Geiger Mueller	Pulses	Good	No	Pulse Amplifier	Low
				<b>ENERGY ANALYZER</b>	
SCINTILLATION					
Nal, CdWO, etc	Pulses	Excellent	Very Good		Middle
LaBr	High Pulses	Excellent	Excellent		High
				SCA	Middle
				MCA	High
SOLID STATE SEMI-CONDUCTOR					
CdTe,Si, etc.	Pulses	Poor Due to Small Size	Excellent		High
				SCA	Middle
				MCA	High
Single Channel Analyzer with Adjustable Thresholds				SCA	Middle
Multi- Channel Analyzer with Isotope Identifier				MCA	High



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