



Hardware A/D converters

DataApex supplies various types of A/D converters that convert the analog signal from detectors to digital format. The independent acquisition channels enable data acquisition from multiple detectors. Auxiliary digital inputs and outputs can be used for external start synchronization or for control of external devices using the Clarity Event table.

A/D Converter	U-PAD	U-PAD2	Net-PAD	INT7	INT9
Type	External USB		External LAN (TCP/IP)	Internal PCI	
Resolution	24 bit				
Number of channels	2			1-4	
Voltage Ranges (Bipolar)	156, 1250, 12585 mV			156, 1250, 10000 mV	156, 1250, 12585 mV
Integration frequency	Up to 100 Hz	Up to 400 Hz	Up to 100 Hz	Up to 100 Hz	Up to 400 Hz
Digital inputs/outputs	2/2		4/8, 2x RS232 COM port	4/8	
Isolation of channels	Isolated from PC		Isolated both mutually and from PC		
Applications:	For notebook	Fast GC	distant instrument	Desktop PC	Fast GC

