

	rqmt. #	Importance	Engr. Requirement (metric)	Unit of Measure	Target Value/Range	
	1	3	Analog Input Range	Volts	±5 V	
	2	3	Analog to Digital Converter Resolution goes from 0 - 10,000	Bits	12	
	3	3	Controller Provides Enough Inputs	Number of Analog Input Ports	1 Differential Input Per Transducer	
	4	3	Controller Provides Enough Outputs	Number of Output Ports	6	
	5	3	Controller is Programmable via Labview	Binary		
	6	3	Controller Provides Feedback to the Operator via Labview	Binary		
	7	3	Controller Provides Clock Output to Drive Stepper Motor Driver Pack	Binary		
	8	3	Minimum Analog Input Sensitivity	Volts	4 mV	
	9	6	Current Sourcing or Sinking Digital Outputs	Binary		
	10	6	DAQ is Electrically Isolated to Protect Components and User	Binary		