

Project Name:	SPX Data Acquisition	Date:	2/24/2016
Project Number:	P16315	Revision:	2

	Identifying & Selecting Problem PSP 1	Analyzing Problem PSP 2	Generating Potential Solutions PSP 3	Selecting & Planning Solution PSP 4	Implementing Solution PSP 5	Evaluating Solution PSP 6
Rating	R1	R2	R3	Y4	Y5	G6
CRITICAL	Gauge doesn't read properly	Mounted Poorly	Better surface adhesion			
			Better Placement			
		Not Waterproofed	Epoxy coating came loose	Reapply epoxy if gauge is still functional	Test with improved waterproof coating	
		Wiring issue	Wires in case bending and causing inaccurate readings	Too much wiring in case	Wires were shortened and reattached	Plan did not work, other issue
			Wires in water, affecting the other inputs	Wires from input 2 were in water	Wires separated and taped to case	Reading back to normal
	Gauge out of spec	Contact Supplier, get confirmation of spec				
	Case Not Waterproofed	Poorly Printed	Reprint, possibly at SPX			
		Seal Applied Incorrectly	Redesign case with better seal			
			Redo silicone seal	Apply new silicone seal using vaseline to form with other half	Retry test with new seal	Plan did not work; Case design being renovated
MAJOR	Motor/Controller doesn't work	Internal error	Get new controller			
		programming error	Fix controller	Contact SPX, receive controller manual	Read manual, attempt to fix	Fix was successful if not aesthetically pleasing
ORDINARY						