

Pt.	Tag	SLOT 6 AI mA Transmitters	LOC	Scale	Eng Units	LL	Delay	L	Del	SP	H	Dela	HH	Delay	NOTES
0	PT-1231A3	Comp Discharge PIC-1231A3 PRV Discharge Pres Override	Pressure	0	0-200	PSIA				128 170	170	1	180	1	SPA2 = 18.4 mA (high)
1	PT-1231A0	Comp Stage 1 Suction	Pressure	1	0-200	PSIA	14	1	15	1	17				
2	PT-1231A9	Common Stage 1 Suction	Pressure	2	0-200	PSIA				17					
3	PT-1231A1	Stage 2 Downstream	Pressure	3	0-200	PSIA				28.2					
4	PT-1231A4	Stage 2 Upstream Recycle Liquid Injection	Pressure	4	0-200	PSIA				28.2					
5	PT-1231A2	Stage 3 Downstream	Pressure	5	0-200	PSIA				59.5					
6	PT-1231A5	Stage 3 Upstream Recycle Liquid Injection	Pressure	6	0-200	PSIA				59.5					
7	FT-1231A3	Discharge Line	Flow	7	0-4000	FT ³ /MIN									
8	FT-1231A1	Stage 2	Flow	8	0-10000	FT ³ /MIN									
9	FT-1231A2	Stage 3	Flow	9	0-2000	FT ³ /MIN									
10	TT-1231A0	Comp Stage 1 Suction	Temp RTD	10	-50-150	DEG F									
11	TT-1231A3	Comp Discharge	Temp RTD	11	0-300	DEG F					185	0	195	0	
12	TT-1231A4	Stage 1 Recycle Gas Liquid Injection	Temp RTD	12	0-200	DEG F				SH +10 F					SH= Deg of Superheat
13	TT-1231A5	Stage 2 Recycle Gas Liquid Injection	Temp RTD	13	0-200	DEG F				SH +10 F					SH = Deg of Superheat
14	TT-1231A6	Stage 3 Recycle Gas Liquid Injection	Temp RTD	14	0-200	DEG F				SH +10 F					SH = Deg of Superheat
15	PT-1231A15	Gear AOP Start/Stop	Pressure	15	0-200	PSIG			13	1					
Pt.	Tag	SLOT 7 AI mA Transmitters	LOC	Scale	Eng Units	LL	Delay	L	Del	SP	H	Dela	HH	Delay	NOTES
0	PT-1231A13	Gear Bearing Oil Supply	Pressure	16	0-200	PSIG	10	0	15	0					
1	PDT-1231A14	Gear Oil Filter Diff	Pressure	17	0-50	PSID					12	0			
2	PDT-1231A10	Comp AOP Oil Diff	Pressure	18	0-300	PSID			30	0					
3	PDT-1231A11	Comp Oil Filter Diff	Pressure	19	0-50	PSID					12	0			
4	PDT-1231A12	Comp Supply Oil Diff	Pressure	20	0-300	PSID	20	0	28	0					SPA2 = 5.06 mA (low) & Run
5	TT-1231A21	Gear Bearing Oil Supply	Temp RTD	21	0-200	DEG F					140	0	145	0	
6	TT-1231A20	Gear Oil Sump	Temp RTD	22	0-200	DEG F			115	0					
7	TT-1231A15	Comp Oil Sump	Temp RTD	23	0-200	DEG F			115	0					
8	TT-1231A13	Compressor Thurst Bearing Discharge	Temp RTD	24	0-200	DEG F					175	0	185	0	
9	TT-1231A14	Compressor Shaft Pump Discharge	Temp RTD	25	0-200	DEG F					155	0			
10	IT-1231A0	Motor current	AMPS	26	0-600	AMPS			25% FLA	1	110% FLA	1	115% FLA	1	Stop Load = 100% FLA = 496 Force Unload = 103% FLA
									124Amps		546Amps		570Amps		
11	FZT-1231A3	Stage 1 Suction Recycle Gas Valve	Position	27	0-100	%									
12	FZT-1231A1	Stage 2 Recycle Gas Valve	Position	28	0-100	%									
13	PZT-1231A1	Stage 2 Pressure Control Valve	Position	29	0-100	%									
14	FZT-1231A2	Stage 3 Recycle Gas Valve	Position	30	0-100	%									
15	PZT-1231A2	Stage 3 Pressure Control Valve	Position	31	0-100	%									
Pt.	Tag	SLOT 8 AI mA Transmitters	LOC	Scale	Eng Units	LL	Delay	L	Del	SP	H	Dela	HH	Delay	NOTES
0	TZT-1231A4	Stage 1 Recycle Temp Control Valve	Position	32	0-100	%									
1	TZT-1231A5	Stage 2 Recycle Temp Control Valve	Position	33	0-100	%									
2	TZT-1231A6	Stage 3 Recycle Temp Control Valve	Position	34	0-100	%									
3	XZT-1231A3	Stage 2 Liquid Refrigerant Isolation Valve	Position	35	0-100	%									AI for XV-1231A3
4	XZT-1231A4	Stage 3 Liquid Refrigerant Isolation Valve	Position	36	0-100	%									AI for XV-1231A4
5	XZT-1231A2	Stage 1 Liquid Refrigerant Isolation Valve	Position	37	0-100	%									AI for XV-1231A2
6	PZT-1231A3	Discharge Back Pressure Control Valve	Position	38	0-100	%									
7	XY-1231A7A	Comp Sump Vent Valve	Position	39	0-100	%									AI for XV-1231A7
8	HZT-1231A13	Stage 1 Block valve	Position	40	0-100	%	95.0	2							adjustable 95 - 100%
9	HZT-1231A14	Stage 2 Upstream Block Valve	Position	41	0-100	%	95.0	2							adjustable 95 - 100%
10	HZT-1231A11	Stage 2 Downstream Block Valve	Position	42	0-100	%	95.0	2							adjustable 95 - 100%
11	HZT-1231A15	Stage 3 Upstream Block Valve	Position	43	0-100	%	95.0	2							adjustable 95 - 100%
12	HZT-1231A12	Stage 3 Downstream Block Valve	Position	44	0-100	%	95.0	2							adjustable 95 - 100%
13	HZT-1231A10	Stage 1 Downstream Block Valve	Position	45	0-100	%	95.0	2							adjustable 95 - 100%
14	HZT-1231A16	Comp Discharge Block Valve	Position	46	0-100	%	95.0	2							adjustable 95 - 100%
15	PZT-1231A0	Comp PRV Position indicator	Position	47	0-100	%									
Pt.	Tag	SLOT 9 AI mA Transmitters	LOC	Scale	Eng Units	LL	Delay	L	Del	SP	H	Dela	HH	Delay	NOTES
0	PDT-1231A6	Stage 1 Suction Strainer Diff	Pressure	48	0-10	PSID					5	1			
1	PDT-1231A7	Stage 2 Strainer Diff	Pressure	49	0-10	PSID					5	1			
2	PDT-1231A8	Stage 3 Strainer Diff	Pressure	50	0-10	PSID					5	1			
3	XZT-1231A6	Oil Cooler Vapor Refrigerant Return Valve	Position	51	0-100	%									AI for XV-1231A6
4	XZT-1231A5	Gear Coolant Isolation Valve	Position	52	0-100	%									AI for XV-1231A5
5	TT-1231A1	Stage 2 Suction	Temp RTD	53	0-200	DEG F									
6	TT-1231A2	Stage 3 Suction	Temp RTD	54	0-200	DEG F									
Pt.	Tag	SLOT 11 (10:1) AO	LOC	PID	AI #	REV DIR	Close	SP	NOTES						
0	PY-1231A0	Compressor PRV	0	PRV	1 / 2	DIR	4	128.14							
1	FY-1231A3A	Stage 1 Flow Recycle Gas Control Valve	1	HGV	calc	REV									
2	FY-1231A1A	Stage 2 Flow Recycle Gas Control Valve	2	1	8	REV									
3	PY-1231A1A	Stage 2 Pressure Control Valve	3	3	3	DIR		28.2							
4	FY-1231A2A	Stage 3 Flow Recycle Gas Control Valve	4	2	9	REV									
5	PY-1231A2A	Stage 3 Pressure Control Valve	5	4	5	DIR		59.5							
6	XV-1231A7	Sump Vent Valve	6	NA		DIR									
7	XV-1231A6	Oil Cooler Refrigerant Vapor Return Control	7	NA		DIR									
Pt.	Tag	SLOT 12 (10:2) AO	LOC	PID	AI #	REV DIR	Close	SP	NOTES						
0	PY-1231A3A	Discharge Back Pressure Control Valve	8	8		DIR									
1	TY-1231A4A	Stage 1 Recycle Temp Control Valve	9	5	12	DIR									
2	TY-1231A5A	Stage 2 Recycle Temp Control Valve	10	6	13	DIR									
3	TY-1231A6A	Stage 3 Recycle Temp Control Valve	11	7	14	DIR									
Pt.	Tag	SLOT 13 (10:3) RTD Input	LOC	Scale	Eng Units	LL	Delay	L	Del	SP	H	Dela	HH	Delay	NOTES
0	TE-1231A10A	Motor Stator A	Temp RTD	100	100 Ω	DEG F					203	1	212	1	
1	TE-1231A11A	Motor Stator B	Temp RTD	101	100 Ω	DEG F					203	1	212	1	
2	TE-1231A12A	Motor Stator C	Temp RTD	102	100 Ω	DEG F					203	1	212	1	
3	TE-1231A10B	Motor Stator A	Temp RTD	103	100 Ω	DEG F					203	1	212	1	
4	TE-1231A11B	Motor Stator B	Temp RTD	104	100 Ω	DEG F					203	1	212	1	
5	TE-1231A12B	Motor Stator C	Temp RTD	105	100 Ω	DEG F					203	1	212	1	
Pt.	Tag	SLOT 14 (10:4) DI	LOC	PID	AL	SD	NOTES								
0		DI_Skid_Estop	0												
1	(NS-1231A1)	DI_Remote_Estop	1												
2		DI_Comp_Start	2												
3		DI_Comp_Stop	3												
4		DI_Comp_AOP_Auto_Mode	4												
5		DI_Gear_AOP_Auto_Mode	5												
6		DI_Enclosure_Low_Purge_Press	6		5s										
7		DI_Switch_Fault_AL	7		0s										
8	PY-1231A3	DI_Comp_High_Disch_SPA_SD	8			PAHH (0s) 18.4mA									
9	PY-1231A12	DI_Comp_Oil_Supply_SPA_SD	9			PALL(0s) 5.06mA									
10		DI_BN_Ok	10		0s										
11	XAH-1231A0	DI_BN_Vib_Alarm_CH1	11		0s										
12	XAHH-1231A0	DI_BN_Vib_SD_CH2	12		0s										
13	ZAH-1231A0	DI_BN_Thrust_Temp_Alarm_CH3	13		0s										
14	ZAHH-1231A0	DI_BN_Thrust_Temp_SD_CH4	14		0s										
Pt.	Tag	SLOT 15 (10:5) DI	LOC	PID	AL	SD	NOTES								
0	PDS-1231A17	DI_Surge_DP_Switch	16												
1	LSL-1231A4	DI_Comp_Sump_Low_Oil_Lvl	17		5s										

