ENCANA - PIPESTONE PPF MODBUS MAP

REV 3

#	Tag Number	PLC Tag	Service Description (Max=32 Characters)	Data Type	Read/Write	PLC ModBus Address	Bit	Min Range	Max Range	Eng Unit	STATUS 0	STATUS 1	Comments	P&ID COMMENT
1	RESET	RESET	Reset Alarm	BOOL	WRITE	00001	N/A	N/A	N/A	N/A	OFF	RESET	Pulse for 2 seconds to reset latched alarms	
2	OBC_COMM_FAIL	OBC_COMM_FAIL	On Board Computer Communication Fault	BOOL	READ	00002	N/A	N/A	N/A	N/A	FAULT	OK	Indicates failure between On Board Computer and PLC	
3	**STREAM - 1**													
4	UA_3108A	Stream_1_Analyzer_Warning	Stream 1-Analyzer Common Warning Alarm	BOOL	READ	00010	N/A	N/A	N/A	N/A	OFF	WARNING	Warning Local To Analyzer Control Cabinet	
5		Stream_1_Model_Warning	Stream 1 - Analyzer Model Quality Warning	BOOL	READ	00011	N/A	N/A	N/A	N/A	OFF	WARNING	Calibration Quality	
6	UA_3108B	Stream_1_Sample_Panel_Warning	Stream 1-Sample Panel Common Warning Alarm	BOOL	READ	00012	N/A	N/A	N/A	N/A	OFF	WARNING	Warning Local To Sample System Enclosure	
7	FSL_3108	Stream_1_FSL_COND	Stream 1 - Low Sample Flow Warning	REAL	READ	00013	N/A	N/A	N/A	N/A	OFF	WARNING	No Flow Condition at Sample Cell	
8	FSH_3108	Stream_1_FSH_COND	Stream 1 - High Sample Flow Warning	REAL	READ	00014	N/A	N/A	N/A	N/A	OFF	WARNING	Hi Flow Condition at Sample Cell	
9	PAH-3108	Stream_1_High_Pressure_Alarm	Stream 1 - High Pressure Warning Alarm	BOOL	READ	00015	N/A	N/A	N/A	N/A	OFF	WARNING	Setpoint Local to HMI	
10	TAH-3108	Stream_1_High_Temperature_Alarm	Stream 1 - High Temperature Warning Alarm	BOOL	READ	00016	N/A	N/A	N/A	N/A	OFF	WARNING	Setpoint Local to HMI	
11		Stream_1_Sampling_Alarm	Stream 1 - Sample Switch Warning	BOOL	READ	00017	N/A	N/A	N/A	N/A	OFF	WARNING	Left in SAMPLE mode > 20 min	
12	XA_3108A	Stream_1_Analyzer_Fault	Stream 1-Analyzer Common Fault Alarm	BOOL	READ	00018	N/A	N/A	N/A	N/A	OFF	FAULT	Faut Local To Analyzer Control Cabinet	
13		Stream_1_Model_Fault	Stream 1 - Analyzer Model Quality Fault	BOOL	READ	00019	N/A	N/A	N/A	N/A	OFF	FAULT	Calibration Quality	
14	XA_3108B	Stream_1_Sample_Panel_Fault	Stream 1-Sample Panel Common Fault Alarm	BOOL	READ	00020	N/A	N/A	N/A	N/A	OFF	FAULT	Faut Local To Sample System Enclosure	
15		Stream_1_Flow_Fault	Stream 1 - Flow Transmitter Fault	BOOL	READ	00021	N/A	N/A	N/A	N/A	OFF	FAULT	Hardware Fault	Not Used
16		Stream_1_Temperature_Fault	Stream 1 - Temperature Transmitter Fault	BOOL	READ	00022	N/A	N/A	N/A	N/A	OFF	FAULT	Hardware Fault	
17		Stream_1_Pressure_Fault	Stream 1 - Pressure Transmitter Fault	BOOL	READ	00023	N/A	N/A	N/A	N/A	OFF	FAULT	Hardware Fault	
18	**STREAM - 2**													
19	UA_4107A	Stream_2_Analyzer_Warning	Stream 2-Analyzer Common Warning Alarm	BOOL	READ	00050	N/A	N/A	N/A	N/A	OFF	WARNING	Warning Local To Analyzer Control Cabinet	
20		Stream_2_Model_Warning	Stream 2 - Analyzer Model Quality Warning	BOOL	READ	00051	N/A	N/A	N/A	N/A	OFF	WARNING	Calibration Quality	
21	UA-4107B	Stream_2_Sample_Panel_Warning	Stream 2-Sample Panel Common Warning Alarm	BOOL	READ	00052	N/A	N/A	N/A	N/A	OFF	WARNING	Warning Local To Sample System Enclosure	
22	FSL_4107	Stream_2_FSL_COND	Stream 2 - Low Sample Flow Warning	REAL	READ	00053	N/A	N/A	N/A	N/A	OFF	WARNING	No Flow Condition at Sample Cell	
23	FSH-4107	Stream_2_FSH_COND	Stream 2 - High Sample Flow Warning	REAL	READ	00054	N/A	N/A	N/A	N/A	OFF	WARNING	Hi Flow Condition at Sample Cell	
24	PAH-4107	Stream_2_High_Pressure_Alarm	Stream 2 - High Pressure Warning Alarm	BOOL	READ	00055	N/A	N/A	N/A	N/A	OFF	WARNING	Setpoint Local to HMI	
25	TAH-4107	Stream_2_High_Temperature_Alarm	Stream 2 - High Temperature Warning Alarm	BOOL	READ	00056	N/A	N/A	N/A	N/A	OFF	WARNING	Setpoint Local to HMI	
26		Stream_2_Sampling_Alarm	Stream 2 - Sample Switch Warning	BOOL	READ	00057	N/A	N/A	N/A	N/A	OFF	WARNING	Left in SAMPLE mode > 20 min	
27	XA-4107A	Stream_2_Analyzer_Fault	Stream 2-Analyzer Common Fault Alarm	BOOL	READ	00058	N/A	N/A	N/A	N/A	OFF	FAULT	Faut Local To Analyzer Control Cabinet	
28		Stream_2_Model_Fault	Stream 2 - Analyzer Model Quality Fault	BOOL	READ	00059	N/A	N/A	N/A	N/A	OFF	FAULT	Calibration Quality	
29	XA-4107B	Stream_2_Sample_Panel_Fault	Stream 2-Sample Panel Common Fault Alarm	BOOL	READ	00060	N/A	N/A	N/A	N/A	OFF	FAULT	Faut Local To Sample System Enclosure	
30		Stream_2_Flow_Fault	Stream 2 - Flow Transmitter Fault	BOOL	READ	00061	N/A	N/A	N/A	N/A	OFF	FAULT	Hardware Fault	Not Used
31		Stream_2_Temperature_Fault	Stream 2 - Temperature Transmitter Fault	BOOL	READ	00062	N/A	N/A	N/A	N/A	OFF	FAULT	Hardware Fault	
32		Stream_2_Pressure_Fault	Stream 2 - Pressure Transmitter Fault	BOOL	READ	00063	N/A	N/A	N/A	N/A	OFF	FAULT	Hardware Fault	

33	**Holding Registers**													
34	CT_3112	CT_3112	Communications Heartbeat Register to DCS	INT	READ	40001	N/A	0	60	N/A	N/A	N/A	PLC Clock Seconds passed onto master controller. Alarm if value has not changed after set time.	A communications failure will interupt both channels.
35	**STREAM - 1**													
36	PIT-3108	Stream_1_Pressure_1	Stream 1, Pressure	REAL	READ	40010	N/A	0	3500	kPag	N/A	N/A		
37	TIT-3108	Stream_1_Temperature_1	Stream 1, Temperature	REAL	READ	40012	N/A	-20	80	C	N/A	N/A		
38	AIT-3108A	Stream_1_Deemed C4	Stream 1, Deemed C4- calculated as: Deemed C4- = (3*(%C1+%C2+%C3)) + (%iC4+%nC4)	REAL	READ	40014	N/A	0	100	%	N/A	N/A		
39	AIT-3108B	Stream_1_C1 (Vol%)	Stream 1, C1	REAL	READ	40016	N/A	0	100	VOL%	N/A	N/A		
40	AIT-3108C	Stream_1_C2 (Vol%)	Stream 1, C2	REAL	READ	40018	N/A	0	100	VOL%	N/A	N/A		
41	AIT-3108D	Stream_1_C3 (Vol%)	Stream 1, C3	REAL	READ	40020	N/A	0	100	VOL%	N/A	N/A		
42	AIT-3108E	Stream_1_iC4 (Vol%)	Stream 1, iC4	REAL	READ	40022	N/A	0	100	VOL%	N/A	N/A		
43	AIT-3108F	Stream_1_nC4 (Vol%)	Stream 1, nC4	REAL	READ	40024	N/A	0	100	VOL%	N/A	N/A		
44	AIT-3108G	Stream_1_C5+ (Vol%)	Stream 1, C5 Plus	REAL	READ	40026	N/A	0	100	VOL%	N/A	N/A		
45			Spare	REAL	READ	40028	N/A	0	100	VOL%	N/A	N/A		
46			Spare	REAL	READ	40030	N/A	0	100	VOL%	N/A	N/A		
47	AIT-3108J	Stream_1_C1 (Mol%)	Stream 1, C1	REAL	READ	40032	N/A	0	100	MOL%	N/A	N/A		
48	AIT-3108K	Stream_1_C2 (Mol%)	Stream 1, C2	REAL	READ	40034	N/A	0	100	MOL%	N/A	N/A		
49	AIT-3108L	Stream_1_C3 (Mol%)	Stream 1, C3	REAL	READ	40036	N/A	0	100	MOL%	N/A	N/A		
50	AIT-3108M	Stream_1_iC4 (Mol%)	Stream 1, iC4	REAL	READ	40038	N/A	0	100	MOL%	N/A	N/A		
51	AIT-3108N	Stream_1_nC4 (Mol%)	Stream 1, nC4	REAL	READ	40040	N/A	0	100	MOL%	N/A	N/A		
52	AIT-3108O	Stream_1_iC5 (Mol%)	Stream 1, iC5	REAL	READ	40042	N/A	0	100	MOL%	N/A	N/A		
53	AIT-3108P	Stream_1_nC5 (Mol%)	Stream 1, nC5	REAL	READ	40044	N/A	0	100	MOL%	N/A	N/A		
54	AIT-3108Q	Stream_1_C6 (Mol%)	Stream 1, C6	REAL	READ	40046	N/A	0	100	MOL%	N/A	N/A		
55	AIT-3108R	Stream_1_C7 (Mol%)	Stream 1, C7	REAL	READ	40048	N/A	0	100	MOL%	N/A	N/A		
56	AIT-3108S	Stream_1_C8 (Mol%)	Stream 1, C8	REAL	READ	40050	N/A	0	100	MOL%	N/A	N/A		
57	AIT-3108T	Stream_1_C9 (Mol%)	Stream 1, C9	REAL	READ	40052	N/A	0	100	MOL%	N/A	N/A		
58	AIT-3108U	Stream_1_C10 (Mol%)	Stream 1, C10	REAL	READ	40054	N/A	0	100	MOL%	N/A	N/A		
59	AIT-3108V	Stream_1_C11 (Mol%)	Stream 1, C11	REAL	READ	40056	N/A	0	100	MOL%	N/A	N/A		
60	AIT-3108W	Stream_1_C12 (Mol%)	Stream 1, C12	REAL	READ	40058	N/A	0	100	kPag	N/A	N/A		
61			Spare	REAL	READ	40060	N/A	0	150	kPag	N/A	N/A		
62	AIT-3108Y	Stream_1_Stream_1_Transmission	Stream 1, Transmission	REAL	READ	40062	N/A	0	100	%	N/A	N/A	Analyzer Diagnostic Signal	

63	**Stream - 2**												
64	PIT-4104	Stream_2_Pressure	Stream 2, Pressure	REAL	READ	40110	N/A	0	3500	kPag	N/A	N/A	
65	TIT-4107	Stream_2_Temperature	Stream 2, Temperature	REAL	READ	40112	N/A	-20	80	C	N/A	N/A	
66	AIT-4107A	Stream_2_C2_C3_Ratio	Stream 2, C2/C3 Ratio	REAL	READ	40114	N/A	0	100	%	N/A	N/A	
67	AIT-4107B	Stream_2_C1 (Mol%)	Stream 2, C1	REAL	READ	40116	N/A	0	100	VOL%	N/A	N/A	
68	AIT-4107C	Stream_2_C2 (Mol%)	Stream 2, C2	REAL	READ	40118	N/A	0	100	VOL%	N/A	N/A	
69	AIT-4107D	Stream_2_C3 (Mol%)	Stream 2, C3	REAL	READ	40120	N/A	0	100	VOL%	N/A	N/A	
70	AIT-4107E	Stream_2_iC4 (Mol%)	Stream 2, iC4	REAL	READ	40122	N/A	0	100	VOL%	N/A	N/A	
71	AIT-4107F	Stream_2_nC4 (Mol%)	Stream 2, nC4	REAL	READ	40124	N/A	0	100	VOL%	N/A	N/A	
72	AIT-4107G	Stream_2_iC5 (Mol%)	Stream 2, iC5	REAL	READ	40126	N/A	0	100	VOL%	N/A	N/A	
73	AIT-4107H	Stream_2_nC5 (Mol%)	Stream 2, nC5	REAL	READ	40128	N/A	0	100	VOL%	N/A	N/A	
74	AIT-4107I	Stream_2_C6+ (Mol%)	Stream 2, C6 plus	REAL	READ	40130	N/A	0	100	VOL%	N/A	N/A	
75	AIT-4107Q	Stream_2_C1_C3_Ratio	Stream 2, C1/C3 Ratio	REAL	READ	40132	N/A	0	100	MOL%	N/A	N/A	
76	AIT-4107Q	Stream_2_Transmission	Stream 2, Transmission	REAL	READ	40136	N/A	0	100	MOL%	N/A	N/A	

Blue fill denotes tags that customer will pull back to their control system.