

OVINTIV - PIPESTONE PPF CLIENT MODBUS MAP

REV 0

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	COILS												
2		RESET_1	Reset Alarm	BOOL	WRITE	100	N/A	N/A	N/A	N/A	OFF	RESET	Pulse for 2 seconds to reset latched alarms
3		RESET_2	Reset Stream 2	BOOL	WRITE	101	N/A	N/A	N/A	N/A	OFF	RESET	Pulse for 2 seconds to reset latched alarms
4	STREAM - 1												
5	XA_3108A	Stream_1_Model_Fault	Stream 1 - Analyzer Model Quality Fault	BOOL	READ	105	N/A	N/A	N/A	N/A	OFF	FAULT	Calibration Quality
6	XA_3108B	Stream_1_System_Failure	Stream 1 - Analyzer System Failure	BOOL	READ	106	N/A	N/A	N/A	N/A	OFF	FAULT	Faut Local To Analyzer Control Cabinet
7	XA_3108C	Stream_1_Sample_Panel_Fault	Stream 1 - ample Panel Common Fault Alarm	BOOL	READ	107	N/A	N/A	N/A	N/A	OFF	FAULT	Faut Local To Sample System Enclosure
8	UA_3108A	Stream_1_Model_Warning	Stream 1 - Analyzer Model Quality Warning	BOOL	READ	108	N/A	N/A	N/A	N/A	OFF	WARNING	Calibration Quality
9	UA_3108B	Stream_1_Sample_Panel_Warning	Stream 1 - Sample Panel Common Warning Alarm	BOOL	READ	109	N/A	N/A	N/A	N/A	OFF	WARNING	Warning Local To Sample System Enclosure
10	FAL_3108	Stream_1_FSL_COND	Stream 1 - Low Sample Flow Warning	REAL	READ	110	N/A	N/A	N/A	N/A	OFF	WARNING	No Flow Condition at Sample Cell
11	PAH-3108	Stream_1_High_Pressure_Alarm	Stream 1 - High Pressure Warning Alarm	BOOL	READ	111	N/A	N/A	N/A	N/A	OFF	WARNING	Setpoint Local to HMI
12	TAH-3108	Stream_1_High_Temperature_Alarm	Stream 1 - High Temperature Warning Alarm	BOOL	READ	112	N/A	N/A	N/A	N/A	OFF	WARNING	Setpoint Local to HMI
13		Stream_1_Flow_Fault	Stream 1 - Flow Transmitter Fault	BOOL	READ	113	N/A	N/A	N/A	N/A	OFF	FAULT	Hardware Fault
14		Stream_1_Temperature_Fault	Stream 1 - Temperature Transmitter Fault	BOOL	READ	114	N/A	N/A	N/A	N/A	OFF	FAULT	Hardware Fault
15		Stream_1_Pressure_Fault	Stream 1 - Pressure Transmitter Fault	BOOL	READ	115	N/A	N/A	N/A	N/A	OFF	FAULT	Hardware Fault
16	STREAM - 2												
17	XA-4107A	Stream_2_Model_Fault	Stream 2 - Analyzer Model Quality Fault	BOOL	READ	125	N/A	N/A	N/A	N/A	OFF	FAULT	Calibration Quality
18	XA-4107B	Stream_2_Sample_Panel_Fault	Stream 2 - Sample Panel Common Fault Alarm	BOOL	READ	126	N/A	N/A	N/A	N/A	OFF	FAULT	Faut Local To Sample System Enclosure
19	XA-4107C	Stream_2_System_Failure	Stream 2 - Analyzer System Failure	BOOL	READ	127	N/A	N/A	N/A	N/A	OFF	FAULT	Faut Local To Analyzer Control Cabinet
20	UA-4107A	Stream_2_Model_Warning	Stream 2 - Analyzer Model Quality Warning	BOOL	READ	128	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	129	N/A	N/A	N/A	N/A	OFF	WARNING	Warning Local To Sample System Enclosure
22	FAL_4107	Stream_2_FSL_COND	Stream 2 - Low Sample Flow Warning	REAL	READ	130	N/A	N/A	N/A	N/A	OFF	WARNING	No Flow Condition at Sample Cell
23	PAH-4107	Stream_2_High_Pressure_Alarm	Stream 2 - High Pressure Warning Alarm	BOOL	READ	131	N/A	N/A	N/A	N/A	OFF	WARNING	Setpoint Local to HMI
24	TAH-4107	Stream_2_High_Temperature_Alarm	Stream 2 - High Temperature Warning Alarm	BOOL	READ	132	N/A	N/A	N/A	N/A	OFF	WARNING	Setpoint Local to HMI
25		Stream_2_Flow_Fault	Stream 2 - Flow Transmitter Fault	BOOL	READ	133	N/A	N/A	N/A	N/A	OFF	FAULT	Hardware Fault
26		Stream_2_Temperature_Fault	Stream 2 - Temperature Transmitter Fault	BOOL	READ	134	N/A	N/A	N/A	N/A	OFF	FAULT	Hardware Fault
27		Stream_2_Pressure_Fault	Stream 2 - Pressure Transmitter Fault	BOOL	READ	135	N/A	N/A	N/A	N/A	OFF	FAULT	Hardware Fault

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49 HOLDING REGISTERS														
50	CT_3112	CT_3112	Communications Heartbeat Register to DCS	INT	READ	41000	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	A communications failure will interrupt both channels.
51 STREAM - 1														
52	PIT-3108	Pressure_1	Stream 1, Pressure	REAL	READ	41001	N/A	0	3500	kPag	N/A	N/A		
53	TIT-3108	Temperature_1	Stream 1, Temperature	REAL	READ	41003	N/A	-20	80	C	N/A	N/A		
54	AIT-3108A	Deemed C4	Stream 1, Deemed C4- calculated as: Deemed C4- = (3*(%C1+%C2+%C3)) + (%iC4+%nC4)	REAL	READ	41005	N/A	0	100	%	N/A	N/A		
55	AIT-3108B	C1 (Vol%)	Stream 1, C1	REAL	READ	41007	N/A	0	100	VOL%	N/A	N/A		
56	AIT-3108C	C2 (Vol%)	Stream 1, C2	REAL	READ	41009	N/A	0	100	VOL%	N/A	N/A		
57	AIT-3108D	C3 (Vol%)	Stream 1, C3	REAL	READ	41011	N/A	0	100	VOL%	N/A	N/A		
58	AIT-3108E	iC4 (Vol%)	Stream 1, iC4	REAL	READ	41013	N/A	0	100	VOL%	N/A	N/A		
59	AIT-3108F	nC4 (Vol%)	Stream 1, nC4	REAL	READ	41015	N/A	0	100	VOL%	N/A	N/A		
60	AIT-3108G	iC5 (Vol%)	Stream 1, C5+	REAL	READ	41017	N/A	0	100	VOL%	N/A	N/A		
61	AIT-3108H	C1 (Mol%)	Stream 1, C1	REAL	READ	41019	N/A	0	100	MOL%	N/A	N/A		
62	AIT-3108J	C2 (Mol%)	Stream 1, C2	REAL	READ	41021	N/A	0	100	MOL%	N/A	N/A		
63	AIT-3108K	C3 (Mol%)	Stream 1, C3	REAL	READ	41023	N/A	0	100	MOL%	N/A	N/A		
64	AIT-3108L	iC4 (Mol%)	Stream 1, iC4	REAL	READ	41025	N/A	0	100	MOL%	N/A	N/A		
65	AIT-3108M	nC4 (Mol%)	Stream 1, nC4	REAL	READ	41027	N/A	0	100	MOL%	N/A	N/A		
66	AIT-3108N	iC5 (Mol%)	Stream 1, iC5	REAL	READ	41029	N/A	0	100	MOL%	N/A	N/A		
67	AIT-3108P	nC5 (Mol%)	Stream 1, nC5	REAL	READ	41031	N/A	0	100	MOL%	N/A	N/A		
68	AIT-3108Q	C6+ (Mol%)	Stream 1, C6+	REAL	READ	41033	N/A	0	100	MOL%	N/A	N/A		
69	AIT-3108R	C7 (Mol%)	Stream 1, C7	REAL	READ	41035	N/A	0	100	MOL%	N/A	N/A		
70	AIT-3108S	C8 (Mol%)	Stream 1, C8	REAL	READ	41037	N/A	0	100	MOL%	N/A	N/A		
71	AIT-3108T	C9 (Mol%)	Stream 1, C9	REAL	READ	41039	N/A	0	100	MOL%	N/A	N/A		
72	AIT-3108U	C10 (Mol%)	Stream 1, C10	REAL	READ	41041	N/A	0	100	MOL%	N/A	N/A		
73	AIT-3108V	C11 (Mol%)	Stream 1, C11	REAL	READ	41043	N/A	0	100	MOL%	N/A	N/A		
74	AIT-3108W	C12 (Mol%)	Stream 1, C12	REAL	READ	41045	N/A	0	100	kPag	N/A	N/A		
75	AIT-3108X	Transmission	Stream 1, Transmission	REAL	READ	41049	N/A	0	100	%	N/A	N/A	Analyzer Diagnostic Signal	
76	AIT-3108Y	VPCR	Stream 1, Vapour Pressure	REAL	READ	41053	N/A	0	150	kPag	N/A	N/A		

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77	HOLDING REGISTERS												
78	Stream - 2												
79	PIT-4104	Pressure_2	Stream 2, Pressure	REAL	READ	41061	N/A	0	3500	kPag	N/A	N/A	
80	TIT-4107	Temperature_2	Stream 2, Temperature	REAL	READ	41063	N/A	-20	80	C	N/A	N/A	
81	AIT-4107A	C1 / C3 Ratio	Stream 2, C1 / C3 Ratio	REAL	READ	41065	N/A	0	100	N/A	N/A	N/A	
82	AIT-4107A	C2 / C3 Ratio	Stream 2, C2 / C3 Ratio	REAL	READ	41067	N/A	0	100	N/A	N/A	N/A	
83	AIT-4107B	C1 (Vol%)	Stream 2, C1	REAL	READ	41069	N/A	0	100	VOL%	N/A	N/A	
84	AIT-4107C	C2 (Vol%)	Stream 2, C2	REAL	READ	41071	N/A	0	100	VOL%	N/A	N/A	
85	AIT-4107D	C3 (Vol%)	Stream 2, C3	REAL	READ	41073	N/A	0	100	VOL%	N/A	N/A	
86	AIT-4107E	iC4 (Vol%)	Stream 2, iC4	REAL	READ	41075	N/A	0	100	VOL%	N/A	N/A	
87	AIT-4107F	nC4 (Vol%)	Stream 2, nC4	REAL	READ	41077	N/A	0	100	VOL%	N/A	N/A	
88	AIT-4107G	iC5 (Vol%)	Stream 2, iC5	REAL	READ	41079	N/A	0	100	VOL%	N/A	N/A	
89	AIT-4107H	nC5 (Vol%)	Stream 2, nC5	REAL	READ	41081	N/A	0	100	VOL%	N/A	N/A	
90	AIT-4107J	C6+ (Vol%)	Stream 2, C6+	REAL	READ	41083	N/A	0	100	VOL%	N/A	N/A	
91	AIT-4107K	C1 (Vol%)	Stream 2, C1	REAL	READ	41085	N/A	0	100	MOL%	N/A	N/A	
92	AIT-4107L	C2 (Mol%)	Stream 2, C2	REAL	READ	41087	N/A	0	100	MOL%	N/A	N/A	
93	AIT-4107M	C3 (Mol%)	Stream 2, C3	REAL	READ	41089	N/A	0	100	MOL%	N/A	N/A	
94	AIT-4107N	iC4 (Mol%)	Stream 2, iC4	REAL	READ	41091	N/A	0	100	MOL%	N/A	N/A	
95	AIT-4107P	nC4 (Mol%)	Stream 2, nC4	REAL	READ	41093	N/A	0	100	MOL%	N/A	N/A	
96	AIT-4107Q	iC5 (Mol%)	Stream 2, iC5	REAL	READ	41095	N/A	0	100	MOL%	N/A	N/A	
97	AIT-4107R	nC5 (Mol%)	Stream 2, nC5	REAL	READ	41097	N/A	0	100	MOL%	N/A	N/A	
98	AIT-4107S	C6 (Mol%)	Stream 2, C6	REAL	READ	41099	N/A	0	100	MOL%	N/A	N/A	
105	AIT-4107T	RVP	Stream 2, RVP	REAL	READ	41113	N/A	0	150	kPag	N/A	N/A	
106	AIT-4107U	Transmission	Stream 2, Transmission	REAL	READ	41115	N/A	0	100	%	N/A	N/A	Analyzer Diagnostic Signal