

HEX	DEC	Description	Read/Write	Unit
9	9	AI1 Low Alarm Setpoint	R/W	.X
A	10	AI1 High Alarm Setpoint	R/W	.X
D	13	VFD Speed Reference (4-20 Output)	Read	12bit (0-4095)
E	14	VFD Fault Status	Read	List - VFD Status
F	15	Scada Run Command (Only Active if Start/Stop Source set to SCADA)	R/W	0=Off, 1=On
10	16	Status: 0=IDLE, 1=PRECHARGE PUMP STARTED, 2=MAIN PUMP RUNNING, 3=PUMP SYSTEM FAULTED, 4= PUMP RUNNING WITH ALARM, 5=IDLE W/ ALARM PRESENT	Read	
11	17	Start/Stop Source	R/W	0=AI3, 1=AI2, 2=AI1, 3=Momentary DI, 4= Maintained DI, 5=SCADA
14	20	AI3 Scaling Low Range	R/W	.X
15	21	AI3 Scaling High Range	R/W	.X
1A	26	AI0 Scaling Low Range	R/W	
1B	27	AI0 Scaling High Range	R/W	
4A	74	Tank Level (AI3)	Read	xxx.X
4E	78	RPM (AI0)	Read	xxxx
50	80	Suction Pressure (AI1)	Read	xxx.X
64	100	AI3 Low Alarm Setpoint	R/W	.X
65	101	AI3 High Alarm Setpoint	R/W	.X
66	102	AI2 Low Alarm Setpoint	R/W	.X
69	105	AI0 Low Alarm Setpoint	R/W	
6A	106	AI0 High Alarm Setpoint	R/W	
79	121	Suction Pressure PID Setpoint	R/W	.X
7A	122	Discharge Pressure PID Setpoint	R/W	.X
E8	232	Speed Control Mode	R/W	0=PID, 1=Fixed Speed Setpoint, 2=SCADA/HMI Entry, 3=Signal Following
E9	233	SCADA/HMI Speed Setpoint	R/W	xxxx RPM
208	520	AI3 Low Action (0=Shutdown; 1=Shutdown w/restart; 2-5=No Shutdown)	R/W	
209	521	AI3 High Action (0=Shutdown; 1=Shutdown w/restart; 2-5=No Shutdown)	R/W	
20A	522	AI2 Low Action (0=Shutdown; 1=Shutdown w/restart; 2-5=No Shutdown)	R/W	
20B	523	AI2 High Action (0=Shutdown; 1=Shutdown w/restart; 2-5=No Shutdown)	R/W	
20C	524	AI0 Low Action (0=Shutdown; 1=Shutdown w/restart; 2-5=No Shutdown)	R/W	

20D	525	AI0 High Action (0=Shutdown; 1=Shutdown w/restart; 2-5=No Shutdown)	R/W	
20E	526	AI4 High Action (0=Shutdown; 1=Shutdown w/restart; 2-5=No Shutdown)	R/W	
20F	527	AI1 Low Action (0=Shutdown; 1=Shutdown w/restart; 2-5=No Shutdown)	R/W	
210	528	AI1 High Action (0=Shutdown; 1=Shutdown w/restart; 2-5=No Shutdown)	R/W	
211	529	AI4 Low Action (0=Shutdown; 1=Shutdown w/restart; 2-5=No Shutdown)	R/W	
2BC	700	Motor Speed (If VFD Coms Active)	Read	RPM
708	1800	AI0 Name (20 Char)	Read	ASCII TEXT
717	1815	AI1 Name (20 Char)	Read	ASCII TEXT
726	1830	AI2 Name (20 Char)	Read	ASCII TEXT
735	1845	AI3 Name (20 Char)	Read	ASCII TEXT
744	1860	AI4 Name (20 Char)	Read	ASCII TEXT
76C	1900	Status Display - Line 1 (30 Char)	Read	ASCII TEXT
780	1920	Status Display - Line 2 (30 Char)	Read	ASCII TEXT
794	1940	Status Display - Line 3 (30 Char)	Read	ASCII TEXT
7A8	1960	Status Display - Line 4 (30 Char)	Read	ASCII TEXT
7E4	2020	AI3 Engineering Unit (5 Char)	Read	ASCII TEXT
7E7	2023	AI2 Engineering Unit (5 Char)	Read	ASCII TEXT
7EA	2026	AI0 Engineering Unit (5 Char)	Read	ASCII TEXT
7ED	2029	AI4 Engineering Unit (5 Char)	Read	ASCII TEXT
7F0	2032	AI1 Engineering Unit (5 Char)	Read	ASCII TEXT
3002	12290	SD Card Status (0=Not Inserted, 1=Writing, 2=Present&idle, 4=WriteProtected)	Read	
7012	28690	Total Run Hours	Read	32bit .xx Hours
7014	28692	AI2 Scaling Low Range	R/W	32bit .x
7015	28693	AI2 Scaling High Range	R/W	32bit .x
7018	28696	Discharge Pressure (AI2)	Read	32bit .x
701F	28703	AI2 High Setpoint	R/W	32bit .x
7038	28728	AI4 Scaling Low Range	R/W	32bit .xx
7039	28729	AI4 Scaling High Range	R/W	32bit .xx
7042	28738	AI4 Low Alarm Setpoint	R/W	32bit .xx
7043	28739	AI4 High Alarm Setpoint	R/W	32bit .xx
7045	28741	Vibration (AI4)	Read	32bit .xx
7062	28770	Signal Following Minimum Speed Setpoint	R/W	32bit .x
7063	28771	Signal Following Maximum Speed Setpoint	R/W	32bit .x
Coil (hex)	DEC	Description		
	144	Speed Control Process Source: 0=AI2, 1=AI3	R/W	COIL
4002	16386	DO2 (Main Pump Run)	Read	COIL
4003	16387	DO3 (Charge Pump Run)	Read	COIL
4004	16388	DO4 (FREF Shift for Hand Input)	Read	COIL
4005	16389	DO5 (Oil Cooler Run)	Read	COIL
4007	16391	DO7 (Alarm Exists)	Read	COIL
6000	24576	DI0 (Main Pump Run Confirmation)	Read	COIL

6001	24577	DI1 (Charge Pump Run Confirmation)	Read	COIL
6002	24578	DI2 (Typically VFD Fault Input)	Read	COIL
6003	24579	DI3	Read	COIL
6004	24580	DI4	Read	COIL
6005	24581	DI5	Read	COIL
6006	24582	DI6	Read	COIL
6007	24583	DI7	Read	COIL
6008	24584	DI8	Read	COIL
6009	24585	DI9	Read	COIL
600A	24586	DI10	Read	COIL
600B	24587	DI11	Read	COIL
600C	24588	DI12	Read	COIL
600D	24589	DI13	Read	COIL
600E	24590	DI14	Read	COIL
600F	24591	DI15	Read	COIL
6010	24592	DI16 (HAND INPUT)	Read	COIL
6011	24593	DI17 (AUTO INPUT)	Read	COIL

Read/Write (Holding Register)
Read Only (Holding Register)
Coil Data (Binary)