

TOTALFLOW

Technical Bulletin (182)

NGC Modbus Register Assignments

Totalflow Technical Bulletin

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1 Introduction

The following represents a listing of the Modbus register assignments for the NGC. The 32-Bit and 16-Bit Register Format columns relate to the Register Format setup in a communication port setup. 32-Bit registers are transferred as a single 32-bit register. 16-Bit registers are transferred as 32 bits via two consecutive 16-bit registers. The NGC Address column displays the fixed NGC application, array, registers. The Description column is a short explanation of the data contained in the registers. The Status column indicates whether the viable data is available for the corresponding register. Since Modbus registers are typically requested by providing the starting register and the number of sequential registers, the register indicated as unavailable can be part of the sequential register group without creating an error. The data in those registers will simply be zero.

1.1 16-Bit Integer Group – Current Stream

Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
3001	3001	51.200.0	Component Table #1 Component Index #1(C3)	Available
3002	3002	51.200.1	Component Table #1 Component Index #2(IC4)	Available
3003	3003	51.200.2	Component Table #1 Component Index #3(NC4)	Available
3004	3004	51.200.3	Component Table #1 Component Index #4(Neo C5)	Available
3005	3005	51.200.4	Component Table #1 Component Index #5(IC5)	Available
3006	3006	51.200.5	Component Table #1 Component Index #6(NC5)	Available
3007	3007	51.200.6	Component Table #1 Component Index #7(C6+)	Available
3008	3008	51.200.7	Component Table #1 Component Index #8(N2)	Available
3009	3009	51.200.8	Component Table #1 Component Index #9(C1)	Available
3010	3010	51.200.9	Component Table #1 Component Index #10(CO2)	Available
3011	3011	51.200.10	Component Table #1 Component Index #11(C2)	Available
3012	3012	51.200.11	Component Table #1 Component Index #12(C6)	Available
3013	3013	51.200.12	Component Table #1 Component Index #13(C7)	Available
3014	3014	51.200.13	Component Table #1 Component Index #14(C8)	Available
3015	3015	51.200.14	Component Table #1 Component Index #15(C9)	Available
3016	3016	51.200.15	Component Table #1 Component Index #16(NA)	Available
3017	3017	51.200.0	Component Table #2 Component Index #1	Available
3018	3018	51.200.1	Component Table #2 Component Index #2	Available
3019	3019	51.200.2	Component Table #2 Component Index #3	Available
3020	3020	51.200.3	Component Table #2 Component Index #4	Available
3021	3021	51.200.4	Component Table #2 Component Index #5	Available
3022	3022	51.200.5	Component Table #2 Component Index #6	Available
3023	3023	51.200.6	Component Table #2 Component Index #7	Available
3024	3024	51.200.7	Component Table #2 Component Index #8	Available
3025	3025	51.200.8	Component Table #2 Component Index #9	Available
3026	3026	51.200.9	Component Table #2 Component Index #10	Available
3027	3027	51.200.10	Component Table #2 Component Index #11	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
3028	3028	51.200.11	Component Table #2 Component Index #12	Available
3029	3029	51.200.12	Component Table #2 Component Index #13	Available
3030	3030	51.200.13	Component Table #2 Component Index #14	Available
3031	3031	51.200.14	Component Table #2 Component Index #15	Available
3032	3032	51.200.15	Component Table #2 Component Index #16	Available
3033	3033	51.201.1	Analysis Time (in1/30ths of 1 second) (N/A)	Un-available
3034	3034	51.201.0	Current Stream Number(15.0.28)	Available
3035	3035	51.201.1	Mask of streams associated with Componet Table 41 (N/A)	Available
3036	3036	51.201.3	Current Month (1-12) (15.1.8)	Available
3037	3037	51.201.4	Current Day (1-31) (15.1.9)	Available
3038	3038	51.201.5	Current Year (0-99) (15.1.10)	Available
3039	3039	51.201.6	Current Hour (0-24) (15.1.11)	Available
3040	3040	51.201.7	Current Minutes (0-59) (15.1.12)	Available
3041	3041	51.201.8	Cycle Start Month (1-12) (15.1.13)	Available
3042	3042	51.201.9	Cycle Start Day (1-31) (15.1.14)	Available
3043	3043	51.201.10	Cycle Start Year (0-99) (15.1.15)	Available
3044	3044	51.201.11	Cycle Start Hour (0-24) (15.1.16)	Available
3045	3045	51.201.12	Cycle Start Minutes (0-59) (15.1.17)	Available
3046	3046	51.201.42	Bit Flags Transmitter (Bit 14 = Xmtr Fail)	Available
3047	3047	51.201.43	Bit Flags Transmitter (Bit 0 = Power Fail)	Available
3048	3048	51.201.1	Bit Flags Stream #1 Low (N/A)	Un-available
3049	3049	51.201.1	Bit Flags Stream #1 High (N/A)	Un-available
3050	3050	51.201.1	Bit Flags Stream #2 Low (N/A)	Un-available
3051	3051	51.201.1	Bit Flags Stream #2 High (N/A)	Un-available
3052	3052	51.201.1	Bit Flags Stream #3 Low (N/A)	Un-available
3053	3053	51.201.1	Bit Flags Stream #3 High (N/A)	Un-available
3054	3054	51.201.1	Bit Flags Stream #4 Low (N/A)	Un-available
3055	3055	51.201.1	Bit Flags Stream #4 High (N/A)	Un-available
3056	3056	51.201.1	Bit Flags Stream #5 Low (N/A)	Un-available
3057	3057	51.201.1	Bit Flags Stream #5 High (N/A)	Un-available
3058	3058	51.201.2	New Data Flag(15.1.7)	Available
3059	3059	51.201.13	Cal/Analysis Flag(15.1.18) (0 = Cal, 1 = Analysis)	Available
3060	3060	51.201.32	Read the Current State (19.1.0)	Available
3061	3061	51.201.33	Read the Next State (19.1.0)	Available
3062	3062	51.201.1	Auto Calibration During Startup (N/A)	Un-available
3063	3063	51.201.22	Alternate Purge Cycles (15.0.24)	Available
3064	3064	51.201.23	Alternate Calibration Cycles (15.0.19)	Available
3065	3065	51.201.24	Number of Purge Cycles (15.0.23)	Available
3066	3066	51.201.25	Number of Calibration Cycles (15.0.18)	Available
3067	3067	51.201.1	Low Carrier Mode (N/A)	Un-available
3068	3068	51.201.1	Low Power Mode (N/A)	Un-available
3069	3069	51.201.1	Pre-Purge Selection (Future)	Un-available
3070	3070	51.201.1	Normal Status (N/A)	Un-available
3071	3071	51.201.1	Fault Status (N/A)	Un-available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
3072	3072	51.201.26	Carrier Bottle Low (DI1) (11.0.0) (1 = closed, 0 = open)	Available
3073	3073	51.201.27	Calibration Bottle Low (DI2) (11.0.1) (1 = closed, 0 = open)	Available
3074	3074	51.201.1	Manual Update Response Factors (N/A)	Un-available
3075	3075	51.201.1	Auto Update Response Factors (N/A)	Un-available
3076	3076	51.201.1	Disable Stream Switching (N/A)	Un-available
3077	3077	51.201.1	Transmitter Current Warning (N/A)	Un-available
3078	3078	51.201.1	Transmitter Current Fault (N/A)	Un-available
3079	3079	51.201.1	Transmitter Initial Warning (N/A)	Un-available
3080	3080	51.201.1	Transmitter Initial Fault (N/A)	Un-available
3081	3081	51.201.18	Stream #1 Last Current Warning (15.128.1)	Available
3082	3082	51.201.19	Stream #2 Last Current Warning (16.128.1)	Available
3083	3083	51.201.20	Stream #3 Last Current Warning (17.128.1)	Available
3084	3084	51.201.21	Stream #4 Last Current Warning (18.128.1)	Available
3085	3085	51.201.14	Stream #1 Last Current Fault (15.128.0)	Available
3086	3086	51.201.15	Stream #2 Last Current Fault (16.128.0)	Available
3087	3087	51.201.16	Stream #3 Last Current Fault (17.128.0)	Available
3088	3088	51.201.17	Stream #4 Last Current Fault (18.128.0)	Available
3089	3089	51.201.38	Stream #1 Initial Warning (15.128.3)	Available
3090	3090	51.201.39	Stream #2 Initial Warning (16.128.3)	Available
3091	3091	51.201.40	Stream #3 Initial Warning (17.128.3)	Available
3092	3092	51.201.41	Stream #4 Initial Warning (18.128.3)	Available
3093	3093	51.201.34	Stream #1 Initial Fault (15.128.2)	Available
3094	3094	51.201.35	Stream #2 Initial Fault (16.128.2)	Available
3095	3095	51.201.36	Stream #3 Initial Fault (17.128.2)	Available
3096	3096	51.201.37	Stream #4 Initial Fault (18.128.2)	Available
3097	3097	51.201.28	Stream #1 Skip Flag (19.0.7)	Available
3098	3098	51.201.29	Stream #2 Skip Flag (19.0.8)	Available
3099	3099	51.201.30	Stream #3 Skip Flag (19.0.9)	Available
3100	3100	51.201.31	Stream #4 Skip Flag (19.0.10)32-Bit Integer Group[Available

1.2 32-Bit Integer Group – Current Stream

Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
5001	5001	51.208.2	Cycle Clock (19.2.2)	Available
5002	5003	51.208.1	Cycle Time (19.2.1)	Available
5003	5005	51.208.0	Detector 0 (N/A)	Un-available
5004	5007	51.208.0	Detector 1 (N/A)	Un-available
5005	5009	51.208.0	Detector 2 (N/A)	Un-available
5006	5011	51.208.0	Detector 3 (N/A)	Un-available



1.3 Floating Point Register Group – Current Stream

Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7001	7001	51.203.0	Mole % - Component #1	Available
7002	7003	51.203.1	Mole % - Component #2	Available
7003	7005	51.203.2	Mole % - Component #3	Available
7004	7007	51.203.3	Mole % - Component #4	Available
7005	7009	51.203.4	Mole % - Component #5	Available
7006	7011	51.203.5	Mole % - Component #6	Available
7007	7013	51.203.6	Mole % - Component #7	Available
7008	7015	51.203.7	Mole % - Component #8	Available
7009	7017	51.203.8	Mole % - Component #9	Available
7010	7019	51.203.9	Mole % - Component #10	Available
7011	7021	51.203.10	Mole % - Component #11	Available
7012	7023	51.203.11	Mole % - Component #12	Available
7013	7025	51.203.12	Mole % - Component #13	Available
7014	7027	51.203.13	Mole % - Component #14	Available
7015	7029	51.203.14	Mole % - Component #15	Available
7016	7031	51.203.15	Mole % - Component #16	Available
7017	7033	51.204.0	GPM % - Component #1	Available
7018	7035	51.204.1	GPM % - Component #2	Available
7019	7037	51.204.2	GPM % - Component #3	Available
7020	7039	51.204.3	GPM % - Component #4	Available
7021	7041	51.204.4	GPM % - Component #5	Available
7022	7043	51.204.5	GPM % - Component #6	Available
7023	7045	51.204.6	GPM % - Component #7	Available
7024	7047	51.204.7	GPM % - Component #8	Available
7025	7049	51.204.8	GPM % - Component #9	Available
7026	7051	51.204.9	GPM % - Component #10	Available
7027	7053	51.204.10	GPM % - Component #11	Available
7028	7055	51.204.11	GPM % - Component #12	Available
7029	7057	51.204.12	GPM % - Component #13	Available
7030	7059	51.204.13	GPM % - Component #14	Available
7031	7061	51.204.14	GPM % - Component #15	Available
7032	7063	51.204.15	GPM % - Component #16	Available
7033	7065	51.202.0	BTU - Dry(15.4.5)	Available
7034	7067	51.202.1	BTU - Saturated(15.4.6)	Available
7035	7069	51.202.2	Specific Gravity(15.4.9)	Available
7036	7071	51.202.3	Compressibility(15.4.11)	Available
7037	7073	51.202.4	WOBBE Index(15.4.7)	Available
7038	7075	51.202.6	Total UN-normalized mole(15.4.12)	Available
7039	7077	51.202.13	Total GPM (15.4.13)	Available
7040	7079	51.202.8	Ideal BTU (15.4.4)	Available
7041	7081	51.202.9	Density Normal (15.4.10)	Available
7042	7083	51.202.10	Inferior WOBBE (15.4.8)	Available
7043	7085	51.202.11	Methane Number (15.4.27)	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7044	7087	51.202.12	Speed of Sound (15.4.54)	Available
7045	7089	51.241.0	Rolling Average #1	Available
7046	7091	51.241.1	Rolling Average #2	Available
7047	7093	51.241.2	Rolling Average #3	Available
7048	7095	51.241.3	Rolling Average #4	Available
7049	7097	51.241.4	Rolling Average #5	Available
7050	7099	51.241.5	Rolling Average #6	Available
7051	7101	51.241.6	Rolling Average #7	Available
7052	7103	51.241.7	Rolling Average #8	Available
7053	7105	51.241.8	Rolling Average #9	Available
7054	7107	51.241.9	Rolling Average #10	Available
7055	7109	51.241.10	Rolling Average #11	Available
7056	7111	51.241.11	Rolling Average #12	Available
7057	7113	51.241.12	Rolling Average #13	Available
7058	7115	51.241.13	Rolling Average #14	Available
7059	7117	51.241.14	Rolling Average #15	Available
7060	7119	51.241.15	Rolling Average #16	Available
7061	7121	51.206.0	24 Hour Average for Component #1	Available
7062	7123	51.206.1	24 Hour Average for Component #2	Available
7063	7125	51.206.2	24 Hour Average for Component #3	Available
7064	7127	51.206.3	24 Hour Average for Component #4	Available
7065	7129	51.206.4	24 Hour Average for Component #5	Available
7066	7131	51.206.5	24 Hour Average for Component #6	Available
7067	7133	51.206.6	24 Hour Average for Component #7	Available
7068	7135	51.206.7	24 Hour Average for Component #8	Available
7069	7137	51.206.8	24 Hour Average for Component #9	Available
7070	7139	51.206.9	24 Hour Average for Component #10	Available
7071	7141	51.206.10	24 Hour Average for Component #11	Available
7072	7143	51.206.11	24 Hour Average for Component #12	Available
7073	7145	51.206.12	24 Hour Average for Component #13	Available
7074	7147	51.206.13	24 Hour Average for Component #14	Available
7075	7149	51.206.14	24 Hour Average for Component #15	Available
7076	7151	51.206.15	24 Hour Average for Component #16	Available
7077	7153	51.207.0	Previous 24 Hour Average for Component #1	Available
7078	7155	51.207.1	Previous 24 Hour Average for Component #2	Available
7079	7157	51.207.2	Previous 24 Hour Average for Component #3	Available
7080	7159	51.207.3	Previous 24 Hour Average for Component #4	Available
7081	7161	51.207.4	Previous 24 Hour Average for Component #5	Available
7082	7163	51.207.5	Previous 24 Hour Average for Component #6	Available
7083	7165	51.207.6	Previous 24 Hour Average for Component #7	Available
7084	7167	51.207.7	Previous 24 Hour Average for Component #8	Available
7085	7169	51.207.8	Previous 24 Hour Average for Component #9	Available
7086	7171	51.207.9	Previous 24 Hour Average for Component #10	Available
7087	7173	51.207.10	Previous 24 Hour Average for Component #11	Available
7088	7175	51.207.11	Previous 24 Hour Average for Component #12	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7089	7177	51.207.12	Previous 24 Hour Average for Component #13	Available
7090	7179	51.207.13	Previous 24 Hour Average for Component #14	Available
7091	7181	51.207.14	Previous 24 Hour Average for Component #15	Available
7092	7183	51.207.15	Previous 24 Hour Average for Component #16	Available
7093	7185	51.244.44	Rolling Average BTU - Dry	Available
7094	7187	51.244.39	Rolling Average BTU - Sat	Available
7095	7189	51.244.51	Rolling Average Specific Gravity	Available
7096	7191	51.244.40	Rolling Average Compressibility	Available
7097	7193	51.244.41	Rolling Average Superior Wobbe	Available
7098	7195	51.244.47	Rolling Average Total Un-Normalized Mole	Available
7099	7197	51.244.48	Rolling Average Total GPM	Available
7100	7199	51.244.50	Rolling Average Ideal BTU	Available
7101	7201	51.244.46	Rolling Average Density Normal	Available
7102	7203	51.245.44	24 Hour Average for BTU - Dry	Available
7103	7205	51.245.39	24 Hour Average for BTU - Sat	Available
7104	7207	51.245.51	24 Hour Average for Specific Gravity	Available
7105	7209	51.245.40	24 Hour Average for Compressibility	Available
7106	7211	51.245.41	24 Hour Average for Superior Wobbe	Available
7107	7213	51.245.47	24 Hour Average for Total Un-Normalized Mole	Available
7108	7215	51.245.48	24 Hour Average for Total GPM	Available
7109	7217	51.245.50	24 Hour Average for Ideal BTU	Available
7110	7219	51.245.46	24 Hour Average for Density Normal	Available
7111	7221	51.246.44	Previous 24 Hour Average for BTU - Dry	Available
7112	7223	51.246.39	Previous 24 Hour Average for BTU - Sat	Available
7113	7225	51.246.51	Previous 24 Hour Average for Specific Gravity	Available
7114	7227	51.246.40	Previous 24 Hour Average for Compressibility	Available
7115	7229	51.246.41	Previous 24 Hour Average for Superior Wobbe	Available
7116	7231	51.246.47	Previous 24 Hour Average for Total Un-Normalized Mole	Available
7117	7233	51.246.48	Previous 24 Hour Average for Total GPM	Available
7118	7235	51.246.50	Previous 24 Hour Average for Ideal BTU	Available
7119	7237	51.246.46	Previous 24 Hour Average for Density Normal	Available
7120-7199	N/A	51.202.7	(N/A)	Un-available

1.4 Floating Point Register Group – Transmitter

Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7200	7399	51.202.7	Ground Reference (N/A)	Un-available
7201	7401	51.202.18	Power (12.247.9)	Available
7202	7403	51.202.19	Mandrel Temp (12.247.7)	Available
7203	7405	51.202.20	Column 1 Pressure (12.247.5)	Available
7204	7407	51.202.21	Column 2 Pressure (12.247.6)	Available
7205	7409	51.202.7	Analog Input #6 - Spare (N/A)	Un-available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7206	7411	51.202.7	Ambient Temp (N/A)	Un-available
7207	7413	51.202.7	Voltage Reference (N/A)	Un-available
7208	7415	51.202.7	(N/A)	Un-available
7209	7417	51.233.0	Calibration Standard - Component #1 (15.31.0)	Available
7210	7419	51.233.1	Calibration Standard - Component #2 (15.31.1)	Available
7211	7421	51.233.2	Calibration Standard - Component #3 (15.31.2)	Available
7212	7423	51.233.3	Calibration Standard - Component #4 (15.31.3)	Available
7213	7425	51.233.4	Calibration Standard - Component #5 (15.31.4)	Available
7214	7427	51.233.5	Calibration Standard - Component #6 (15.31.5)	Available
7215	7429	51.233.6	Calibration Standard - Component #7 (15.31.6)	Available
7216	7431	51.233.7	Calibration Standard - Component #8 (15.31.7)	Available
7217	7433	51.233.8	Calibration Standard - Component #9 (15.31.8)	Available
7218	7435	51.233.9	Calibration Standard - Component #10 (15.31.9)	Available
7219	7437	51.233.10	Calibration Standard - Component #11 (15.31.10)	Available
7220	7439	51.233.11	Calibration Standard - Component #12 (15.31.11)	Available
7221	7441	51.233.12	Calibration Standard - Component #13 (15.31.12)	Available
7222	7443	51.233.13	Calibration Standard - Component #14 (15.31.13)	Available
7223	7445	51.233.14	Calibration Standard - Component #15 (15.31.14)	Available
7224	7447	51.233.15	Calibration Standard - Component #16 (15.31.15)	Available
7225	7449	51.205.0	Response Factor - Component #1 (15.5.0)	Available
7226	7451	51.205.1	Response Factor - Component #2 (15.5.1)	Available
7227	7453	51.205.2	Response Factor - Component #3 (15.5.2)	Available
7228	7455	51.205.3	Response Factor - Component #4 (15.5.3)	Available
7229	7457	51.205.4	Response Factor - Component #5 (15.5.4)	Available
7230	7459	51.205.5	Response Factor - Component #6 (15.5.5)	Available
7231	7461	51.205.6	Response Factor - Component #7 (15.5.6)	Available
7232	7463	51.205.7	Response Factor - Component #8 (15.5.7)	Available
7233	7465	51.205.8	Response Factor - Component #9 (15.5.8)	Available
7234	7467	51.205.9	Response Factor - Component #10 (15.5.9)	Available
7235	7469	51.205.10	Response Factor - Component #11 (15.5.10)	Available
7236	7471	51.205.11	Response Factor - Component #12 (15.5.11)	Available
7237	7473	51.205.12	Response Factor - Component #13 (15.5.12)	Available
7238	7475	51.205.13	Response Factor - Component #14 (15.5.13)	Available
7239	7477	51.205.14	Response Factor - Component #15 (15.5.14)	Available
7240	7479	51.205.15	Response Factor - Component #16 (15.5.15)	Available
7241	7481	51.239.0	Alt Calibration Standard - Component #1 (15.40.0)	Available
7242	7483	51.239.1	Alt Calibration Standard - Component #2 (15.40.1)	Available
7243	7485	51.239.2	Alt Calibration Standard - Component #3 (15.40.2)	Available
7244	7487	51.239.3	Alt Calibration Standard - Component #4 (15.40.3)	Available
7245	7489	51.239.4	Alt Calibration Standard - Component #5 (15.40.4)	Available
7246	7491	51.239.5	Alt Calibration Standard - Component #6 (15.40.5)	Available
7247	7493	51.239.6	Alt Calibration Standard - Component #7 (15.40.6)	Available
7248	7495	51.239.7	Alt Calibration Standard - Component #8 (15.40.7)	Available
7249	7497	51.239.8	Alt Calibration Standard - Component #9 (15.40.8)	Available
7250	7499	51.239.9	Alt Calibration Standard - Component #10 (15.40.9)	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7251	7501	51.239.10	Alt Calibration Standard - Component #11 (15.40.10)	Available
7252	7503	51.239.11	Alt Calibration Standard - Component #12 (15.40.11)	Available
7253	7505	51.239.12	Alt Calibration Standard - Component #13 (15.40.12)	Available
7254	7507	51.239.13	Alt Calibration Standard - Component #14 (15.40.13)	Available
7255	7509	51.239.14	Alt Calibration Standard - Component #15 (15.40.14)	Available
7256	7511	51.239.15	Alt Calibration Standard - Component #16 (15.40.15)	Available
7257	7513	51.240.0	Alt Response Factor - Component #1 (15.43.0)	Available
7258	7515	51.240.1	Alt Response Factor - Component #2 (15.43.1)	Available
7259	7517	51.240.2	Alt Response Factor - Component #3 (15.43.2)	Available
7260	7519	51.240.3	Alt Response Factor - Component #4 (15.43.3)	Available
7261	7521	51.240.4	Alt Response Factor - Component #5 (15.43.4)	Available
7262	7523	51.240.5	Alt Response Factor - Component #6 (15.43.5)	Available
7263	7525	51.240.6	Alt Response Factor - Component #7 (15.43.6)	Available
7264	7527	51.240.7	Alt Response Factor - Component #8 (15.43.7)	Available
7265	7529	51.240.8	Alt Response Factor - Component #9 (15.43.8)	Available
7266	7531	51.240.9	Alt Response Factor - Component #10 (15.43.9)	Available
7267	7533	51.240.10	Alt Response Factor - Component #11 (15.43.10)	Available
7268	7535	51.240.11	Alt Response Factor - Component #12 (15.43.11)	Available
7269	7537	51.240.12	Alt Response Factor - Component #13 (15.43.12)	Available
7270	7539	51.240.13	Alt Response Factor - Component #14 (15.43.13)	Available
7271	7541	51.240.14	Alt Response Factor - Component #15 (15.43.14)	Available
7272	7543	51.240.15	Alt Response Factor - Component #16 (15.43.15)	Available
7273	7545	51.202.14	Detector 0 value (12.247.0)	Available
7274	7547	51.202.15	Detector 1 value (12.247.1)	Available
7275	7549	51.202.16	Detector 2 value (12.247.2)	Available
7276	7551	51.202.17	Detector 3 value (12.247.3)	Available
7277-7400	N/A	51.202.7	(N/A)	Un-available

1.5 Registers 7400-7599 Are For Stream #1

Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7401	7801	51.210.0	Mole % - Component #1	Available
7402	7803	51.210.1	Mole % - Component #2	Available
7403	7805	51.210.2	Mole % - Component #3	Available
7404	7807	51.210.3	Mole % - Component #4	Available
7405	7809	51.210.4	Mole % - Component #5	Available
7406	7811	51.210.5	Mole % - Component #6	Available
7407	7813	51.210.6	Mole % - Component #7	Available
7408	7815	51.210.7	Mole % - Component #8	Available
7409	7817	51.210.8	Mole % - Component #9	Available
7410	7819	51.210.9	Mole % - Component #10	Available
7411	7821	51.210.10	Mole % - Component #11	Available
7412	7823	51.210.11	Mole % - Component #12	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7413	7825	51.210.12	Mole % - Component #13	Available
7414	7827	51.210.13	Mole % - Component #14	Available
7415	7829	51.210.14	Mole % - Component #15	Available
7416	7831	51.210.15	Mole % - Component #16	Available
7417	7833	51.211.0	GPM % - Component #1	Available
7418	7835	51.211.1	GPM % - Component #2	Available
7419	7837	51.211.2	GPM % - Component #3	Available
7420	7839	51.211.3	GPM % - Component #4	Available
7421	7841	51.211.4	GPM % - Component #5	Available
7422	7843	51.211.5	GPM % - Component #6	Available
7423	7845	51.211.6	GPM % - Component #7	Available
7424	7847	51.211.7	GPM % - Component #8	Available
7425	7849	51.211.8	GPM % - Component #9	Available
7426	7851	51.211.9	GPM % - Component #10	Available
7427	7853	51.211.10	GPM % - Component #11	Available
7428	7855	51.211.11	GPM % - Component #12	Available
7429	7857	51.211.12	GPM % - Component #13	Available
7430	7859	51.211.13	GPM % - Component #14	Available
7431	7861	51.211.14	GPM % - Component #15	Available
7432	7863	51.211.15	GPM % - Component #16	Available
7433	7865	51.209.0	BTU - Dry	Available
7434	7867	51.209.1	BTU - Saturated	Available
7435	7869	51.209.2	Specific Gravity	Available
7436	7871	51.209.3	Compressibility	Available
7437	7873	51.209.4	WOBBE Index	Available
7438	7875	51.209.5	Total UN-normalized mole	Available
7439	7877	51.209.11	Total GPM	Available
7440	7879	51.209.6	Ideal BTU	Available
7441	7881	51.209.7	Density Normal	Available
7442	7883	51.209.8	Inferior WOBBE	Available
7443	7885	51.209.9	Methane Number	Available
7444	7887	51.209.10	Speed of Sound	Available
7445	7889	51.235.0	Rolling Average #1	Available
7446	7891	51.235.1	Rolling Average #2	Available
7447	7893	51.235.2	Rolling Average #3	Available
7448	7895	51.235.3	Rolling Average #4	Available
7449	7897	51.235.4	Rolling Average #5	Available
7450	7899	51.235.5	Rolling Average #6	Available
7451	7901	51.235.6	Rolling Average #7	Available
7452	7903	51.235.7	Rolling Average #8	Available
7453	7905	51.235.8	Rolling Average #9	Available
7454	7907	51.235.9	Rolling Average #10	Available
7455	7909	51.235.10	Rolling Average #11	Available
7456	7911	51.235.11	Rolling Average #12	Available
7457	7913	51.235.12	Rolling Average #13	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7458	7915	51.235.13	Rolling Average #14	Available
7459	7917	51.235.14	Rolling Average #15	Available
7460	7919	51.235.15	Rolling Average #16	Available
7461	7921	51.212.0	24 Hour Average for Component #1	Available
7462	7923	51.212.1	24 Hour Average for Component #2	Available
7463	7925	51.212.2	24 Hour Average for Component #3	Available
7464	7927	51.212.3	24 Hour Average for Component #4	Available
7465	7929	51.212.4	24 Hour Average for Component #5	Available
7466	7931	51.212.5	24 Hour Average for Component #6	Available
7467	7933	51.212.6	24 Hour Average for Component #7	Available
7468	7935	51.212.7	24 Hour Average for Component #8	Available
7469	7937	51.212.8	24 Hour Average for Component #9	Available
7470	7939	51.212.9	24 Hour Average for Component #10	Available
7471	7941	51.212.10	24 Hour Average for Component #11	Available
7472	7943	51.212.11	24 Hour Average for Component #12	Available
7473	7945	51.212.12	24 Hour Average for Component #13	Available
7474	7947	51.212.13	24 Hour Average for Component #14	Available
7475	7949	51.212.14	24 Hour Average for Component #15	Available
7476	7951	51.212.15	24 Hour Average for Component #16	Available
7477	7953	51.213.0	Previous 24 Hour Average for Component #1	Available
7478	7955	51.213.1	Previous 24 Hour Average for Component #2	Available
7479	7957	51.213.2	Previous 24 Hour Average for Component #3	Available
7480	7959	51.213.3	Previous 24 Hour Average for Component #4	Available
7481	7961	51.213.4	Previous 24 Hour Average for Component #5	Available
7482	7963	51.213.5	Previous 24 Hour Average for Component #6	Available
7483	7965	51.213.6	Previous 24 Hour Average for Component #7	Available
7484	7967	51.213.7	Previous 24 Hour Average for Component #8	Available
7485	7969	51.213.8	Previous 24 Hour Average for Component #9	Available
7486	7971	51.213.9	Previous 24 Hour Average for Component #10	Available
7487	7973	51.213.10	Previous 24 Hour Average for Component #11	Available
7488	7975	51.213.11	Previous 24 Hour Average for Component #12	Available
7489	7977	51.213.12	Previous 24 Hour Average for Component #13	Available
7490	7979	51.213.13	Previous 24 Hour Average for Component #14	Available
7491	7981	51.213.14	Previous 24 Hour Average for Component #15	Available
7492	7983	51.213.15	Previous 24 Hour Average for Component #16	Available
7493	7985	51.247.44	Rolling Average BTU - Dry	Available
7494	7987	51.247.39	Rolling Average BTU - Sat	Available
7495	7989	51.247.51	Rolling Average Specific Gravity	Available
7496	7991	51.247.40	Rolling Average Compressibility	Available
7497	7993	51.247.41	Rolling Average Superior Wobbe	Available
7498	7995	51.247.47	Rolling Average Total Un-Normalized Mole	Available
7499	7997	51.247.48	Rolling Average Total GPM	Available
7500	7999	51.247.50	Rolling Average Ideal BTU	Available
7501	8001	51.247.46	Rolling Average Density Normal	Available
7502	8003	51.248.44	24 Hour Average for BTU - Dry	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7503	8005	51.248.39	24 Hour Average for BTU - Sat	Available
7504	8007	51.248.51	24 Hour Average for Specific Gravity	Available
7505	8009	51.248.40	24 Hour Average for Compressibility	Available
7506	8011	51.248.41	24 Hour Average for Superior Wobbe	Available
7507	8013	51.248.47	24 Hour Average for Total Un-Normalized Mole	Available
7508	8015	51.248.48	24 Hour Average for Total GPM	Available
7509	8017	51.248.50	24 Hour Average for Ideal BTU	Available
7510	8019	51.248.46	24 Hour Average for Density Normal	Available
7511	8021	51.249.44	Previous 24 Hour Average for BTU - Dry	Available
7512	8023	51.249.39	Previous 24 Hour Average for BTU - Sat	Available
7513	8025	51.249.51	Previous 24 Hour Average for Specific Gravity	Available
7514	8027	51.249.40	Previous 24 Hour Average for Compressibility	Available
7515	8029	51.249.41	Previous 24 Hour Average for Superior Wobbe	Available
7516	8031	51.249.47	Previous 24 Hour Average for Total Un-Normalized Mole	Available
7517	8033	51.249.48	Previous 24 Hour Average for Total GPM	Available
7518	8035	51.249.50	Previous 24 Hour Average for Ideal BTU	Available
7519	8037	51.249.46	Previous 24 Hour Average for Density Normal	Available
7520-7600	N/A	51.202.7	(N/A)	Un-available

1.6 Registers 7600-7799 Are For Stream #2

Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7601	8201	51.215.0	Mole % - Component #1	Available
7602	8203	51.215.1	Mole % - Component #2	Available
7603	8205	51.215.2	Mole % - Component #3	Available
7604	8207	51.215.3	Mole % - Component #4	Available
7605	8209	51.215.4	Mole % - Component #5	Available
7606	8211	51.215.5	Mole % - Component #6	Available
7607	8213	51.215.6	Mole % - Component #7	Available
7608	8215	51.215.7	Mole % - Component #8	Available
7609	8217	51.215.8	Mole % - Component #9	Available
7610	8219	51.215.9	Mole % - Component #10	Available
7611	8221	51.215.10	Mole % - Component #11	Available
7612	8223	51.215.11	Mole % - Component #12	Available
7613	8225	51.215.12	Mole % - Component #13	Available
7614	8227	51.215.13	Mole % - Component #14	Available
7615	8229	51.215.14	Mole % - Component #15	Available
7616	8231	51.215.15	Mole % - Component #16	Available
7617	8233	51.216.0	GPM % - Component #1	Available
7618	8235	51.216.1	GPM % - Component #2	Available
7619	8237	51.216.2	GPM % - Component #3	Available
7620	8239	51.216.3	GPM % - Component #4	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7621	8241	51.216.4	GPM % - Component #5	Available
7622	8243	51.216.5	GPM % - Component #6	Available
7623	8245	51.216.6	GPM % - Component #7	Available
7624	8247	51.216.7	GPM % - Component #8	Available
7625	8249	51.216.8	GPM % - Component #9	Available
7626	8251	51.216.9	GPM % - Component #10	Available
7627	8253	51.216.10	GPM % - Component #11	Available
7628	8255	51.216.11	GPM % - Component #12	Available
7629	8257	51.216.12	GPM % - Component #13	Available
7630	8259	51.216.13	GPM % - Component #14	Available
7631	8261	51.216.14	GPM % - Component #15	Available
7632	8263	51.216.15	GPM % - Component #16	Available
7633	8265	51.214.0	BTU - Dry	Available
7634	8267	51.214.1	BTU - Saturated	Available
7635	8269	51.214.2	Specific Gravity	Available
7636	8271	51.214.3	Compressibility	Available
7637	8273	51.214.4	WOBBE Index	Available
7638	8275	51.214.5	Total UN-normalized mole	Available
7639	8277	51.214.11	Total GPM	Available
7640	8279	51.214.6	Ideal BTU	Available
7641	8281	51.214.7	Density Normal	Available
7642	8283	51.214.8	Inferior WOBBE	Available
7643	8285	51.214.9	Methane Number	Available
7644	8287	51.214.10	Speed of Sound	Available
7645	8289	51.236.0	Rolling Average #1	Available
7646	8291	51.236.1	Rolling Average #2	Available
7647	8293	51.236.2	Rolling Average #3	Available
7648	8295	51.236.3	Rolling Average #4	Available
7649	8297	51.236.4	Rolling Average #5	Available
7650	8299	51.236.5	Rolling Average #6	Available
7651	8301	51.236.6	Rolling Average #7	Available
7652	8303	51.236.7	Rolling Average #8	Available
7653	8305	51.236.8	Rolling Average #9	Available
7654	8307	51.236.9	Rolling Average #10	Available
7655	8309	51.236.10	Rolling Average #11	Available
7656	8311	51.236.11	Rolling Average #12	Available
7657	8313	51.236.12	Rolling Average #13	Available
7658	8315	51.236.13	Rolling Average #14	Available
7659	8317	51.236.14	Rolling Average #15	Available
7660	8319	51.236.15	Rolling Average #16	Available
7661	8321	51.217.0	24 Hour Average for Component #1	Available
7662	8323	51.217.1	24 Hour Average for Component #2	Available
7663	8325	51.217.2	24 Hour Average for Component #3	Available
7664	8327	51.217.3	24 Hour Average for Component #4	Available
7665	8329	51.217.4	24 Hour Average for Component #5	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7666	8331	51.217.5	24 Hour Average for Component #6	Available
7667	8333	51.217.6	24 Hour Average for Component #7	Available
7668	8335	51.217.7	24 Hour Average for Component #8	Available
7669	8337	51.217.8	24 Hour Average for Component #9	Available
7670	8339	51.217.9	24 Hour Average for Component #10	Available
7671	8341	51.217.10	24 Hour Average for Component #11	Available
7672	8343	51.217.11	24 Hour Average for Component #12	Available
7673	8345	51.217.12	24 Hour Average for Component #13	Available
7674	8347	51.217.13	24 Hour Average for Component #14	Available
7675	8349	51.217.14	24 Hour Average for Component #15	Available
7676	8351	51.217.15	24 Hour Average for Component #16	Available
7677	8353	51.218.0	Previous 24 Hour Average for Component #1	Available
7678	8355	51.218.1	Previous 24 Hour Average for Component #2	Available
7679	8357	51.218.2	Previous 24 Hour Average for Component #3	Available
7680	8359	51.218.3	Previous 24 Hour Average for Component #4	Available
7681	8361	51.218.4	Previous 24 Hour Average for Component #5	Available
7682	8363	51.218.5	Previous 24 Hour Average for Component #6	Available
7683	8365	51.218.6	Previous 24 Hour Average for Component #7	Available
7684	8367	51.218.7	Previous 24 Hour Average for Component #8	Available
7685	8369	51.218.8	Previous 24 Hour Average for Component #9	Available
7686	8371	51.218.9	Previous 24 Hour Average for Component #10	Available
7687	8373	51.218.10	Previous 24 Hour Average for Component #11	Available
7688	8375	51.218.11	Previous 24 Hour Average for Component #12	Available
7689	8377	51.218.12	Previous 24 Hour Average for Component #13	Available
7690	8379	51.218.13	Previous 24 Hour Average for Component #14	Available
7691	8381	51.218.14	Previous 24 Hour Average for Component #15	Available
7692	8383	51.218.15	Previous 24 Hour Average for Component #16	Available
7693	8385	51.247.144	Rolling Average BTU - Dry	Available
7694	8387	51.247.139	Rolling Average BTU - Sat	Available
7695	8389	51.247.151	Rolling Average Specific Gravity	Available
7696	8391	51.247.140	Rolling Average Compressibility	Available
7697	8393	51.247.141	Rolling Average Superior Wobbe	Available
7698	8395	51.247.147	Rolling Average Total Un-Normalized Mole	Available
7699	8397	51.247.148	Rolling Average Total GPM	Available
7700	8399	51.247.150	Rolling Average Ideal BTU	Available
7701	8401	51.247.146	Rolling Average Density Normal	Available
7702	8403	51.248.144	24 Hour Average for BTU - Dry	Available
7703	8405	51.248.139	24 Hour Average for BTU - Sat	Available
7704	8407	51.248.151	24 Hour Average for Specific Gravity	Available
7705	8409	51.248.140	24 Hour Average for Compressibility	Available
7706	8411	51.248.141	24 Hour Average for Superior Wobbe	Available
7707	8413	51.248.147	24 Hour Average for Total Un-Normalized Mole	Available
7708	8415	51.248.148	24 Hour Average for Total GPM	Available
7709	8417	51.248.150	24 Hour Average for Ideal BTU	Available
7710	8419	51.248.146	24 Hour Average for Density Normal	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7711	8421	51.249.144	Previous 24 Hour Average for BTU - Dry	Available
7712	8423	51.249.139	Previous 24 Hour Average for BTU - Sat	Available
7713	8425	51.249.151	Previous 24 Hour Average for Specific Gravity	Available
7714	8427	51.249.140	Previous 24 Hour Average for Compressibility	Available
7715	8429	51.249.141	Previous 24 Hour Average for Superior Wobbe	Available
7716	8431	51.249.147	Previous 24 Hour Average for Total Un-Normalized Mole	Available
7717	8433	51.249.148	Previous 24 Hour Average for Total GPM	Available
7718	8435	51.249.150	Previous 24 Hour Average for Ideal BTU	Available
7719	8437	51.249.146	Previous 24 Hour Average for Density Normal	Available
7720-7800	N/A	51.202.7	(N/A)	Un-available

1.7 Registers 7800-7999 Are For Stream #3

Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7801	8601	51.220.0	Mole % - Component #1	Available
7802	8603	51.220.1	Mole % - Component #2	Available
7803	8605	51.220.2	Mole % - Component #3	Available
7804	8607	51.220.3	Mole % - Component #4	Available
7805	8609	51.220.4	Mole % - Component #5	Available
7806	8611	51.220.5	Mole % - Component #6	Available
7807	8613	51.220.6	Mole % - Component #7	Available
7808	8615	51.220.7	Mole % - Component #8	Available
7809	8617	51.220.8	Mole % - Component #9	Available
7810	8619	51.220.9	Mole % - Component #10	Available
7811	8621	51.220.10	Mole % - Component #11	Available
7812	8623	51.220.11	Mole % - Component #12	Available
7813	8625	51.220.12	Mole % - Component #13	Available
7814	8627	51.220.13	Mole % - Component #14	Available
7815	8629	51.220.14	Mole % - Component #15	Available
7816	8631	51.220.15	Mole % - Component #16	Available
7817	8633	51.221.0	GPM % - Component #1	Available
7818	8635	51.221.1	GPM % - Component #2	Available
7819	8637	51.221.2	GPM % - Component #3	Available
7820	8639	51.221.3	GPM % - Component #4	Available
7821	8641	51.221.4	GPM % - Component #5	Available
7822	8643	51.221.5	GPM % - Component #6	Available
7823	8645	51.221.6	GPM % - Component #7	Available
7824	8647	51.221.7	GPM % - Component #8	Available
7825	8649	51.221.8	GPM % - Component #9	Available
7826	8651	51.221.9	GPM % - Component #10	Available
7827	8653	51.221.10	GPM % - Component #11	Available
7828	8655	51.221.11	GPM % - Component #12	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7829	8657	51.221.12	GPM % - Component #13	Available
7830	8659	51.221.13	GPM % - Component #14	Available
7831	8661	51.221.14	GPM % - Component #15	Available
7832	8663	51.221.15	GPM % - Component #16	Available
7833	8665	51.219.0	BTU - Dry	Available
7834	8667	51.219.1	BTU - Saturated	Available
7835	8669	51.219.2	Specific Gravity	Available
7836	8671	51.219.3	Compressibility	Available
7837	8673	51.219.4	WOBBE Index	Available
7838	8675	51.219.5	Total UN-normalized mole	Available
7839	8677	51.219.11	Total GPM	Available
7840	8679	51.219.6	Ideal BTU	Available
7841	8681	51.219.7	Density Normal	Available
7842	8683	51.219.8	Inferior WOBBE	Available
7843	8685	51.219.9	Methane Number	Available
7844	8687	51.219.10	Speed of Sound	Available
7845	8689	51.237.0	Rolling Average #1	Available
7846	8691	51.237.1	Rolling Average #2	Available
7847	8693	51.237.2	Rolling Average #3	Available
7848	8695	51.237.3	Rolling Average #4	Available
7849	8697	51.237.4	Rolling Average #5	Available
7850	8699	51.237.5	Rolling Average #6	Available
7851	8701	51.237.6	Rolling Average #7	Available
7852	8703	51.237.7	Rolling Average #8	Available
7853	8705	51.237.8	Rolling Average #9	Available
7854	8707	51.237.9	Rolling Average #10	Available
7855	8709	51.237.10	Rolling Average #11	Available
7856	8711	51.237.11	Rolling Average #12	Available
7857	8713	51.237.12	Rolling Average #13	Available
7858	8715	51.237.13	Rolling Average #14	Available
7859	8717	51.237.14	Rolling Average #15	Available
7860	8719	51.237.15	Rolling Average #16	Available
7861	8721	51.222.0	24 Hour Average for Component #1	Available
7862	8723	51.222.1	24 Hour Average for Component #2	Available
7863	8725	51.222.2	24 Hour Average for Component #3	Available
7864	8727	51.222.3	24 Hour Average for Component #4	Available
7865	8729	51.222.4	24 Hour Average for Component #5	Available
7866	8731	51.222.5	24 Hour Average for Component #6	Available
7867	8733	51.222.6	24 Hour Average for Component #7	Available
7868	8735	51.222.7	24 Hour Average for Component #8	Available
7869	8737	51.222.8	24 Hour Average for Component #9	Available
7870	8739	51.222.9	24 Hour Average for Component #10	Available
7871	8741	51.222.10	24 Hour Average for Component #11	Available
7872	8743	51.222.11	24 Hour Average for Component #12	Available
7873	8745	51.222.12	24 Hour Average for Component #13	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7874	8747	51.222.13	24 Hour Average for Component #14	Available
7875	8749	51.222.14	24 Hour Average for Component #15	Available
7876	8751	51.222.15	24 Hour Average for Component #16	Available
7877	8753	51.223.0	Previous 24 Hour Average for Component #1	Available
7878	8755	51.223.1	Previous 24 Hour Average for Component #2	Available
7879	8757	51.223.2	Previous 24 Hour Average for Component #3	Available
7880	8759	51.223.3	Previous 24 Hour Average for Component #4	Available
7881	8761	51.223.4	Previous 24 Hour Average for Component #5	Available
7882	8763	51.223.5	Previous 24 Hour Average for Component #6	Available
7883	8765	51.223.6	Previous 24 Hour Average for Component #7	Available
7884	8767	51.223.7	Previous 24 Hour Average for Component #8	Available
7885	8769	51.223.8	Previous 24 Hour Average for Component #9	Available
7886	8771	51.223.9	Previous 24 Hour Average for Component #10	Available
7887	8773	51.223.10	Previous 24 Hour Average for Component #11	Available
7888	8775	51.223.11	Previous 24 Hour Average for Component #12	Available
7889	8777	51.223.12	Previous 24 Hour Average for Component #13	Available
7890	8779	51.223.13	Previous 24 Hour Average for Component #14	Available
7891	8781	51.223.14	Previous 24 Hour Average for Component #15	Available
7892	8783	51.223.15	Previous 24 Hour Average for Component #16	Available
7893	8785	51.247.244	Rolling Average BTU - Dry	Available
7894	8787	51.247.239	Rolling Average BTU - Sat	Available
7895	8789	51.247.251	Rolling Average Specific Gravity	Available
7896	8791	51.247.240	Rolling Average Compressibility	Available
7897	8793	51.247.241	Rolling Average Superior Wobbe	Available
7898	8795	51.247.247	Rolling Average Total Un-Normalized Mole	Available
7899	8797	51.247.248	Rolling Average Total GPM	Available
7900	8799	51.247.250	Rolling Average Ideal BTU	Available
7901	8801	51.247.246	Rolling Average Density Normal	Available
7902	8803	51.248.244	24 Hour Average for BTU - Dry	Available
7903	8805	51.248.239	24 Hour Average for BTU - Sat	Available
7904	8807	51.248.251	24 Hour Average for Specific Gravity	Available
7905	8809	51.248.240	24 Hour Average for Compressibility	Available
7906	8811	51.248.241	24 Hour Average for Superior Wobbe	Available
7907	8813	51.248.247	24 Hour Average for Total Un-Normalized Mole	Available
7908	8815	51.248.248	24 Hour Average for Total GPM	Available
7909	8817	51.248.250	24 Hour Average for Ideal BTU	Available
7910	8819	51.248.246	24 Hour Average for Density Normal	Available
7911	8821	51.249.244	Previous 24 Hour Average for BTU - Dry	Available
7912	8823	51.249.239	Previous 24 Hour Average for BTU - Sat	Available
7913	8825	51.249.251	Previous 24 Hour Average for Specific Gravity	Available
7914	8827	51.249.240	Previous 24 Hour Average for Compressibility	Available
7915	8829	51.249.241	Previous 24 Hour Average for Superior Wobbe	Available
7916	8831	51.249.247	Previous 24 Hour Average for Total Un-Normalized Mole	Available
7917	8833	51.249.248	Previous 24 Hour Average for Total GPM	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
7918	8835	51.249.250	Previous 24 Hour Average for Ideal BTU	Available
7919	8837	51.249.246	Previous 24 Hour Average for Density Normal	Available
7920-8000	N/A	51.202.7	(N/A)	Un-available

1.8 Registers 8000-8199 Are For Stream #4

Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
8001	9001	51.225.0	Mole % - Component #1	Available
8002	9003	51.225.1	Mole % - Component #2	Available
8003	9005	51.225.2	Mole % - Component #3	Available
8004	9007	51.225.3	Mole % - Component #4	Available
8005	9009	51.225.4	Mole % - Component #5	Available
8006	9011	51.225.5	Mole % - Component #6	Available
8007	9013	51.225.6	Mole % - Component #7	Available
8008	9015	51.225.7	Mole % - Component #8	Available
8009	9017	51.225.8	Mole % - Component #9	Available
8010	9019	51.225.9	Mole % - Component #10	Available
8011	9021	51.225.10	Mole % - Component #11	Available
8012	9023	51.225.11	Mole % - Component #12	Available
8013	9025	51.225.12	Mole % - Component #13	Available
8014	9027	51.225.13	Mole % - Component #14	Available
8015	9029	51.225.14	Mole % - Component #15	Available
8016	9031	51.225.15	Mole % - Component #16	Available
8017	9033	51.226.0	GPM % - Component #1	Available
8018	9035	51.226.1	GPM % - Component #2	Available
8019	9037	51.226.2	GPM % - Component #3	Available
8020	9039	51.226.3	GPM % - Component #4	Available
8021	9041	51.226.4	GPM % - Component #5	Available
8022	9043	51.226.5	GPM % - Component #6	Available
8023	9045	51.226.6	GPM % - Component #7	Available
8024	9047	51.226.7	GPM % - Component #8	Available
8025	9049	51.226.8	GPM % - Component #9	Available
8026	9051	51.226.9	GPM % - Component #10	Available
8027	9053	51.226.10	GPM % - Component #11	Available
8028	9055	51.226.11	GPM % - Component #12	Available
8029	9057	51.226.12	GPM % - Component #13	Available
8030	9059	51.226.13	GPM % - Component #14	Available
8031	9061	51.226.14	GPM % - Component #15	Available
8032	9063	51.226.15	GPM % - Component #16	Available
8033	9065	51.224.0	BTU - Dry	Available
8034	9067	51.224.1	BTU - Saturated	Available
8035	9069	51.224.2	Specific Gravity	Available
8036	9071	51.224.3	Compressibility	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
8037	9073	51.224.4	WOBBE Index	Available
8038	9075	51.224.5	Total UN-normalized mole	Available
8039	9077	51.224.11	Total GPM	Available
8040	9079	51.224.6	Ideal BTU	Available
8041	9081	51.224.7	Density Normal	Available
8042	9083	51.224.8	Inferior WOBBE	Available
8043	9085	51.224.9	Methane Number	Available
8044	9087	51.224.10	Speed of Sound	Available
8045	9089	51.238.0	Rolling Average #1	Available
8046	9091	51.238.1	Rolling Average #2	Available
8047	9093	51.238.2	Rolling Average #3	Available
8048	9095	51.238.3	Rolling Average #4	Available
8049	9097	51.238.4	Rolling Average #5	Available
8050	9099	51.238.5	Rolling Average #6	Available
8051	9101	51.238.6	Rolling Average #7	Available
8052	9103	51.238.7	Rolling Average #8	Available
8053	9105	51.238.8	Rolling Average #9	Available
8054	9107	51.238.9	Rolling Average #10	Available
8055	9109	51.238.10	Rolling Average #11	Available
8056	9111	51.238.11	Rolling Average #12	Available
8057	9113	51.238.12	Rolling Average #13	Available
8058	9115	51.238.13	Rolling Average #14	Available
8059	9117	51.238.14	Rolling Average #15	Available
8060	9119	51.238.15	Rolling Average #16	Available
8061	9121	51.227.0	24 Hour Average for Component #1	Available
8062	9123	51.227.1	24 Hour Average for Component #2	Available
8063	9125	51.227.2	24 Hour Average for Component #3	Available
8064	9127	51.227.3	24 Hour Average for Component #4	Available
8065	9129	51.227.4	24 Hour Average for Component #5	Available
8066	9131	51.227.5	24 Hour Average for Component #6	Available
8067	9133	51.227.6	24 Hour Average for Component #7	Available
8068	9135	51.227.7	24 Hour Average for Component #8	Available
8069	9137	51.227.8	24 Hour Average for Component #9	Available
8070	9139	51.227.9	24 Hour Average for Component #10	Available
8071	9141	51.227.10	24 Hour Average for Component #11	Available
8072	9143	51.227.11	24 Hour Average for Component #12	Available
8073	9145	51.227.12	24 Hour Average for Component #13	Available
8074	9147	51.227.13	24 Hour Average for Component #14	Available
8075	9149	51.227.14	24 Hour Average for Component #15	Available
8076	9151	51.227.15	24 Hour Average for Component #16	Available
8077	9153	51.228.0	Previous 24 Hour Average for Component #1	Available
8078	9155	51.228.1	Previous 24 Hour Average for Component #2	Available
8079	9157	51.228.2	Previous 24 Hour Average for Component #3	Available
8080	9159	51.228.3	Previous 24 Hour Average for Component #4	Available
8081	9161	51.228.4	Previous 24 Hour Average for Component #5	Available



Modbus 32-Bit Register Format	Modbus 16-Bit Register Format	NGC Address	Description	Status
8082	9163	51.228.5	Previous 24 Hour Average for Component #6	Available
8083	9165	51.228.6	Previous 24 Hour Average for Component #7	Available
8084	9167	51.228.7	Previous 24 Hour Average for Component #8	Available
8085	9169	51.228.8	Previous 24 Hour Average for Component #9	Available
8086	9171	51.228.9	Previous 24 Hour Average for Component #10	Available
8087	9173	51.228.10	Previous 24 Hour Average for Component #11	Available
8088	9175	51.228.11	Previous 24 Hour Average for Component #12	Available
8089	9177	51.228.12	Previous 24 Hour Average for Component #13	Available
8090	9179	51.228.13	Previous 24 Hour Average for Component #14	Available
8091	9181	51.228.14	Previous 24 Hour Average for Component #15	Available
8092	9183	51.228.15	Previous 24 Hour Average for Component #16	Available
8093	9185	51.247.344	Rolling Average BTU - Dry	Available
8094	9187	51.247.339	Rolling Average BTU - Sat	Available
8095	9189	51.247.351	Rolling Average Specific Gravity	Available
8096	9191	51.247.340	Rolling Average Compressibility	Available
8097	9193	51.247.341	Rolling Average Superior Wobbe	Available
8098	9195	51.247.347	Rolling Average Total Un-Normalized Mole	Available
8099	9197	51.247.348	Rolling Average Total GPM	Available
8100	9199	51.247.350	Rolling Average Ideal BTU	Available
8101	9201	51.247.346	Rolling Average Density Normal	Available
8102	9203	51.248.344	24 Hour Average for BTU - Dry	Available
8103	9205	51.248.339	24 Hour Average for BTU - Sat	Available
8104	9207	51.248.351	24 Hour Average for Specific Gravity	Available
8105	9209	51.248.340	24 Hour Average for Compressibility	Available
8106	9211	51.248.341	24 Hour Average for Superior Wobbe	Available
8107	9213	51.248.347	24 Hour Average for Total Un-Normalized Mole	Available
8108	9215	51.248.348	24 Hour Average for Total GPM	Available
8109	9217	51.248.350	24 Hour Average for Ideal BTU	Available
8110	9219	51.248.346	24 Hour Average for Density Normal	Available
8111	9221	51.249.344	Previous 24 Hour Average for BTU - Dry	Available
8112	9223	51.249.339	Previous 24 Hour Average for BTU - Sat	Available
8113	9225	51.249.351	Previous 24 Hour Average for Specific Gravity	Available
8114	9227	51.249.340	Previous 24 Hour Average for Compressibility	Available
8115	9229	51.249.341	Previous 24 Hour Average for Superior Wobbe	Available
8116	9231	51.249.347	Previous 24 Hour Average for Total Un-Normalized Mole	Available
8117	9233	51.249.348	Previous 24 Hour Average for Total GPM	Available
8118	9235	51.249.350	Previous 24 Hour Average for Ideal BTU	Available
8119	9237	51.249.346	Previous 24 Hour Average for Density Normal	Available
8120-8199	N/A	51.202.7	(N/A)	Un-available