

Williams-Sonoma
Generators Points List.
Modbus. Gateway.
1000 examples.

G Panel Modbus Register Mapping									
Channel Name	Channel #	Register(s) (Decimal)	Bit	Mask	# of Words		MB Register	MB Register	MB Register
Typical non-Bifuel, MP5, G-panel unit - Channel # is matched with Genlink DCP									
-<Analog Input Channels>									
OIL TEMPERATURE	1	140	N/A	N/A	1	AVAILABLE	Gen #1 4236	Gen #2 8332	Gen #3 12428
COOLANT TEMPERATURE	2	142	N/A	N/A	1	AVAILABLE	4238	8334	12430
OIL PRESSURE	3	144	N/A	N/A	1	AVAILABLE	4240	8336	12432
GOVERNOR COMMAND	4	146	N/A	N/A	1	AVAILABLE	4242	8338	12434
USER CONFIGURABLE 05	5	148	N/A	N/A	1		4244		
USER CONFIGURABLE 06	6	150	N/A	N/A	1		4246		
USER CONFIGURABLE 07	7	152	N/A	N/A	1		4248		
USER CONFIGURABLE 08	8	154	N/A	N/A	1		4250		
USER CONFIGURABLE 09	9	156	N/A	N/A	1		4252		
COOLANT LEVEL	10	158	N/A	N/A	1	AVAILABLE	4254	8350	12448
FUEL LEVEL	11	160	N/A	N/A	1	AVAILABLE	4256	8352	12450
AI-1 AUX INPUT 1	12	162	N/A	N/A	1		4258		
AI-2 AUX INPUT 2	13	164	N/A	N/A	1		4260		
USER CONFIGURABLE 14	14	166	N/A	N/A	1		4262		
BAT CHARGE CURRENT	15	168	N/A	N/A	1	AVAILABLE .1	4264		
USER CONFIGURABLE 16	16	170	N/A	N/A	1		4266		
USER CONFIGURABLE 17	17	172	N/A	N/A	1		4268		
BATTERY VOLTAGE	18	174	N/A	N/A	1	AVAILABLE .1	4270	8366	12462
BUS CURRENT PHASE A	19	176	N/A	N/A	1		4272		
BUS CURRENT PHASE B	20	178	N/A	N/A	1		4274		
BUS CURRENT PHASE C	21	180	N/A	N/A	1		4276		
BUS AVERAGE CURRENT	22	182	N/A	N/A	1		4278		
GEN CURRENT PHASE A	23	184	N/A	N/A	1	AVAILABLE	4280	8376	12472
GEN CURRENT PHASE B	24	186	N/A	N/A	1	AVAILABLE	4282	8378	12474
GEN CURRENT PHASE C	25	188	N/A	N/A	1	AVAILABLE	4284	8380	12476
GEN AVERAGE CURRENT	26	190	N/A	N/A	1	AVAILABLE	4286	8382	12478
BUS VOLT PHASE A-B	27	192	N/A	N/A	1	AVAILABLE	4288	8384	12480
BUS VOLT PHASE B-C	28	194	N/A	N/A	1	AVAILABLE	4290	8386	12482
BUS VOLT PHASE C-A	29	196	N/A	N/A	1	AVAILABLE	4292	8388	12484
BUS AVERAGE VOLTAGE	30	198	N/A	N/A	1	AVAILABLE	4294	8390	12486
GEN VOLT PHASE A-B	31	200	N/A	N/A	1	AVAILABLE	4296	8392	12488
GEN VOLT PHASE B-C	32	202	N/A	N/A	1	AVAILABLE	4298	8394	12490
GEN VOLT PHASE C-A	33	204	N/A	N/A	1	AVAILABLE	4300	8396	12492

GEN AVERAGE VOLTAGE	34	206	N/A	N/A	1	AVAILABLE	4302	8398	12494	16590
GEN TOTAL KW	35	208	N/A	N/A	1	AVAILABLE	4304	8400	12496	16592
BUS TOTAL KW	36	210	N/A	N/A	1		4306	8402		
GEN TOTAL PF	37	212	N/A	N/A	1	AVAILABLE .01	4308	8404	12500	16596
BUS TOTAL PF	38	214	N/A	N/A	1		4310			
GEN FREQUENCY	39	216	N/A	N/A	1	AVAILABLE .01	4312	8408	12504	16600
BUS FREQUENCY	40	218	N/A	N/A	1	AVAILABLE .01	4314	8410	12506	16602
ENGINE RPM	41	220	N/A	N/A	1	AVAILABLE	4316	8412	12508	16602
RPM 2	42	222	N/A	N/A	1					
RPM 3	43	224	N/A	N/A	1					
Engine Hours		306				AVAILABLE	4402	8498	12594	16690
Last Run KW Hrs		576				AVAILABLE	4672	8768	12864	16960
Total KW Hrs		580				AVAILABLE	4676	8772	12868	16964
-<Digital Input Channels>										
AUTO SWITCH	1	129	15	0x8000	N/A	AVAILABLE	4225	8321	12417	16513
MANUAL SWITCH	2	129	14	0x4000	N/A	AVAILABLE	4225	8321	12417	16513
ALARM ACKNOWLEDGE	3	129	13	0x2000	N/A	AVAILABLE	4225	8321	12417	16513
EMERGENCY STOP	4	129	12	0x1000	N/A	AVAILABLE	4225	8321	12417	16513
REMOTE START	5	129	11	0x0800	N/A	AVAILABLE	4225	8321	12417	16513
BATTERY CHARGER FAIL	6	129	10	0x0400	N/A	AVAILABLE	4225	8321	12417	16513
RUPURED BASIN	7	129	9	0x0200	N/A	AVAILABLE	4225	8321	12417	16513
USER CONFIGURABLE 08	8	129	8	0x0100	N/A		4225	8321	12417	16513
USER CONFIGURABLE 09	9	129	7	0x0080	N/A		4225	8321	12417	16513
USER CONFIGURABLE 10	10	129	6	0x0040	N/A		4225	8321	12417	16513
STOP DEADBUS CONNECT	11	129	5	0x0020	N/A	AVAILABLE	4225	8321	12417	16513
EXERCISER	12	129	4	0x0010	N/A		4225	8321	12417	16513
GEN SWITCH STATUS	13	129	3	0x0008	N/A	AVAILABLE	4225	8321	12417	16513
UTIL SWITCH STATUS	14	129	2	0x0004	N/A		4225	8321	12417	16513
SEL TRIP STATUS	15	129	1	0x0002	N/A		4225	8321	12417	16513
MCB STATUS	16	129	0	0x0001	N/A		4225	8321	12417	16513
PHASE ROTATION VALID	17	130	15	0x8000	N/A		4226	8322	12418	16514
USER CONFIGURABLE 18	18	130	14	0x4000	N/A		4226	8322	12418	16514
USER CONFIGURABLE 19	19	130	13	0x2000	N/A		4226	8322	12418	16514
USER CONFIGURABLE 20	20	130	12	0x1000	N/A		4226	8322	12418	16514
USER CONFIGURABLE 21	21	130	11	0x0800	N/A		4226	8322	12418	16514
USER CONFIGURABLE 22	22	130	10	0x0400	N/A		4226	8322	12418	16514
USER CONFIGURABLE 23	23	130	9	0x0200	N/A		4226	8322	12418	16514
USER CONFIGURABLE 24	24	130	8	0x0100	N/A		4226	8322	12418	16514

MODEM SELECTED	25	130	7	0x0080	N/A		4226	8322	12418	16514
GENERATOR OVERSPEED	26	130	6	0x0040	N/A	AVAILABLE	4226	8322	12418	16514
DI-1	27	130	5	0x0020	N/A	AVAILABLE	4226	8322	12418	16514
DI-2	28	130	4	0x0010	N/A	AVAILABLE	4226	8322	12418	16514
DI-3 / LINE POWER	29	130	3	0x0008	N/A	AVAILABLE	4226	8322	12418	16514
DI-4 / GENERATOR PWR	30	130	2	0x0004	N/A	AVAILABLE	4226	8322	12418	16514
USER CONFIGURABLE 31	31	130	1	0x0002	N/A		4226	8322	12418	16514
USER CONFIGURABLE 32	32	130	0	0x0001	N/A		4226	8322	12418	16514
-<Digital Output Functions>										
COMMON ALARM	1	131	15	0x8000	N/A	AVAILABLE	4227	8323	12419	16515
COMMON WARNING	2	131	14	0x4000	N/A	AVAILABLE	4227	8323	12419	16515
LO OIL PRESSURE WARN	3	131	13	0x2000	N/A	AVAILABLE	4227	8323	12419	16515
LO OIL PRESSURE ALRM	4	131	12	0x1000	N/A	AVAILABLE	4227	8323	12419	16515
HI COOLANT TEMP WARN	5	131	11	0x0800	N/A	AVAILABLE	4227	8323	12419	16515
HI COOLANT TEMP ALRM	6	131	10	0x0400	N/A	AVAILABLE	4227	8323	12419	16515
LO COOLANT TEMP WARN	7	131	9	0x0200	N/A	AVAILABLE	4227	8323	12419	16515
HI OIL TEMP WARN	8	131	8	0x0100	N/A	AVAILABLE	4227	8323	12419	16515
HI OIL TEMP ALRM	9	131	7	0x0080	N/A	AVAILABLE	4227	8323	12419	16515
LO BATTERY VOLT WARN	10	131	6	0x0040	N/A	AVAILABLE	4227	8323	12419	16515
HI BATTERY VOLT WARN	11	131	5	0x0020	N/A	AVAILABLE	4227	8323	12419	16515
OVERSPEED ALARM	12	131	4	0x0010	N/A	AVAILABLE	4227	8323	12419	16515
UNDERSPEED ALARM	13	131	3	0x0008	N/A	AVAILABLE	4227	8323	12419	16515
OVER VOLTAGE ALARM	14	131	2	0x0004	N/A	AVAILABLE	4227	8323	12419	16515
UNDER VOLTAGE ALARM	15	131	1	0x0002	N/A	AVAILABLE	4227	8323	12419	16515
OVER FREQUENCY ALARM	16	131	0	0x0001	N/A	AVAILABLE	4227	8323	12419	16515
UNDER FREQUENCY ALRM	17	132	15	0x8000	N/A	AVAILABLE	4228	8324	12420	16516
HI FUEL ALARM	18	132	14	0x4000	N/A	AVAILABLE	4228	8324	12420	16516
LO FUEL WARNING	19	132	13	0x2000	N/A	AVAILABLE	4228	8324	12420	16516
LO FUEL ALARM	20	132	12	0x1000	N/A	AVAILABLE	4228	8324	12420	16516
FAIL TO START ALARM	21	132	11	0x0800	N/A	AVAILABLE	4228	8324	12420	16516
COOLANT LEVEL ALARM	22	132	10	0x0400	N/A	AVAILABLE	4228	8324	12420	16516
RPM SENSOR FAIL ALRM	23	132	9	0x0200	N/A	AVAILABLE	4228	8324	12420	16516
START INHIBIT ALARM	24	132	8	0x0100	N/A	AVAILABLE	4228	8324	12420	16516
ESTOP ALARM	25	132	7	0x0080	N/A	AVAILABLE	4228	8324	12420	16516
OIL PRESS SENSOR FLT	26	132	6	0x0040	N/A	AVAILABLE	4228	8324	12420	16516
OIL TEMP SENSOR FLT	27	132	5	0x0020	N/A	AVAILABLE	4228	8324	12420	16516
COOLANT TEMP SENSOR	28	132	4	0x0010	N/A	AVAILABLE	4228	8324	12420	16516
KNOCK UNIT FAULT	29	132	3	0x0008	N/A		4228	8324	12420	16516

KNOCK NOT CALIBRATED	30	132	2	0x0004	N/A	4228	8324	12420	16516
KEPER SWITCH ERROR AL	31	132	1	0x0002	N/A	4228	8324	12420	16516
REVERSE POWER ALARM	32	132	0	0x0001	N/A	4228	8324	12420	16516
MCB IS OPEN	33	133	15	0x8000	N/A	4229	8325	12421	16517
OIL FILT BLOCKD ALRM	34	133	14	0x4000	N/A	4229	8325	12421	16517
AIR FILT BLOCKD ALRM	35	133	13	0x2000	N/A	4229	8325	12421	16517
OXYGEN SENSOR FAULT	36	133	12	0x1000	N/A	4229	8325	12421	16517
ALTERNATOR PROBLEM	37	133	11	0x0800	N/A	4229	8325	12421	16517
GAS PRESSURE WARN	38	133	10	0x0400	N/A	4229	8325	12421	16517
EXHAUST TEMP WARNING	39	133	9	0x0200	N/A	4229	8325	12421	16517
EXHAUST TEMP ALARM	40	133	8	0x0100	N/A	4229	8325	12421	16517
FLAME DETECTION	41	133	7	0x0080	N/A	4229	8325	12421	16517
CARBON MONOXIDE ALRM	42	133	6	0x0040	N/A	4229	8325	12421	16517
VACUUM SENSOR FAULT	43	133	5	0x0020	N/A	4229	8325	12421	16517
CAM MAPPED O P	44	133	4	0x0010	N/A	4229	8325	12421	16517
CRANK MAPPED O P	45	133	3	0x0008	N/A	4229	8325	12421	16517
GAS FLOW SENSOR FLT	46	133	2	0x0004	N/A	4229	8325	12421	16517
GENERATOR IN AUTO	47	133	1	0x0002	N/A	4229	8325	12421	16517
GENERATOR IN MANUAL	48	133	0	0x0001	N/A	4229	8325	12421	16517
ENGINE STOPPED	49	134	15	0x8000	N/A	4230	8326	12422	16518
ENGINE STOPPED-ALARM	50	134	14	0x4000	N/A	4230	8326	12422	16518
STOPPED READY TO RUN	51	134	13	0x2000	N/A	4230	8326	12422	16518
RUNNING	52	134	12	0x1000	N/A	4230	8326	12422	16518
READY TO ACCEPT LOAD	53	134	11	0x0800	N/A	4230	8326	12422	16518
ALARMS ENABLED	54	134	10	0x0400	N/A	4230	8326	12422	16518
IN WARM UP	55	134	9	0x0200	N/A	4230	8326	12422	16518
IN COOL DOWN	56	134	8	0x0100	N/A	4230	8326	12422	16518
CRANKING	57	134	7	0x0080	N/A	4230	8326	12422	16518
VOLTAGE DROPOUT	58	134	6	0x0040	N/A	4230	8326	12422	16518
VOLTAGE PICKUP	59	134	5	0x0020	N/A	4230	8326	12422	16518
IN LINE INTERRUPT DLY	60	134	4	0x0010	N/A	4230	8326	12422	16518
IN RETURN TOUTIL DLY	61	134	3	0x0008	N/A	4230	8326	12422	16518
IN TDN	62	134	2	0x0004	N/A	4230	8326	12422	16518
LOAD SHEDDING	63	134	1	0x0002	N/A	4230	8326	12422	16518
OUT OF SERVICE	64	134	0	0x0001	N/A	4230	8326	12422	16518
WDS SERVICE	65	135	15	0x8000	N/A	4231	8327	12423	16519
BAATTERY CHARGER FAIL	66	135	14	0x4000	N/A	4231	8327	12423	16519
	67	135	13	0x2000	N/A	4231	8327	12423	16519

LINE POWER	68	135	12	0x1000	N/A	AVAILABLE	4231	8327	12423	16519
GENERATOR POWER	69	135	11	0x0800	N/A	AVAILABLE	4231	8327	12423	16519
GAS REDUCED - KNOCK	70	135	10	0x0400	N/A		4231	8327	12423	16519
ALL ENGINES ON LINE	71	135	9	0x0200	N/A	AVAILABLE	4231	8327	12423	16519
SHUTDOWN GENSET	72	135	8	0x0100	N/A	AVAILABLE	4231	8327	12423	16519
CHECK VOLT PHASE ROT	73	135	7	0x0080	N/A		4231	8327	12423	16519
CHECK CURR PHASE ROT	74	135	6	0x0040	N/A		4231	8327	12423	16519
ILC ALARM/WARNING 1	75	135	5	0x0020	N/A		4231	8327	12423	16519
ILC ALARM/WARNING 2	76	135	4	0x0010	N/A		4231	8327	12423	16519
GAS SHUTOFF - KNOCK	77	135	3	0x0008	N/A		4231	8327	12423	16519
HI INLET MAN TEMP AL	78	135	2	0x0004	N/A		4231	8327	12423	16519
HI INLET MAN TEMP WN	79	135	1	0x0002	N/A		4231	8327	12423	16519
LO TURBO PRESS - GAS	80	135	0	0x0001	N/A		4231	8327	12423	16519
LO TURBO PRESS - DSL	81	136	15	0x8000	N/A		4232	8328	12424	16520
LO GAS PRESS SHUTOFF	82	136	14	0x4000	N/A		4232	8328	12424	16520
LO GAS PRESS DISABLE	83	136	13	0x2000	N/A		4232	8328	12424	16520
HI GAS PRESS DISABLE	84	136	12	0x1000	N/A		4232	8328	12424	16520
CAC BYPASS VALVE FLT	85	136	11	0x0800	N/A		4232	8328	12424	16520
KNOCK SAMPLE MISSING	86	136	10	0x0400	N/A		4232	8328	12424	16520
DISABLE CHECKSYNC BD	87	136	9	0x0200	N/A		4232	8328	12424	16520
FAULT RELAY ACTIVE	88	136	8	0x0100	N/A	AVAILABLE	4232	8328	12424	16520
ANNUNCIATOR LIGHT 20	89	136	7	0x0080	N/A	AVAILABLE	4232	8328	12424	16520
PM-SC COMMS FAILED	90	136	6	0x0040	N/A		4232	8328	12424	16520
CHECK IF ILC RUNNING	91	136	5	0x0020	N/A		4232	8328	12424	16520
USR CONFIGURABLE 092	92	136	4	0x0010	N/A		4232	8328	12424	16520
USR CONFIGURABLE 093	93	136	3	0x0008	N/A		4232	8328	12424	16520
USR CONFIGURABLE 094	94	136	2	0x0004	N/A		4232	8328	12424	16520
USR CONFIGURABLE 095	95	136	1	0x0002	N/A		4232	8328	12424	16520
USR CONFIGURABLE 096	96	136	0	0x0001	N/A		4232	8328	12424	16520
USR CONFIGURABLE 097	97	137	15	0x8000	N/A		4233	8329	12425	16521
USR CONFIGURABLE 098	98	137	14	0x4000	N/A		4233	8329	12425	16521
USR CONFIGURABLE 099	99	137	13	0x2000	N/A		4233	8329	12425	16521
USR CONFIGURABLE 100	100	137	12	0x1000	N/A		4233	8329	12425	16521
USR CONFIGURABLE 101	101	137	11	0x0800	N/A		4233	8329	12425	16521
USR CONFIGURABLE 102	102	137	10	0x0400	N/A		4233	8329	12425	16521
USR CONFIGURABLE 103	103	137	9	0x0200	N/A		4233	8329	12425	16521
USR CONFIGURABLE 104	104	137	8	0x0100	N/A		4233	8329	12425	16521
USR CONFIGURABLE 105	105	137	7	0x0080	N/A		4233	8329	12425	16521



USR CONFIGURABLE 106	106	137	6	0x0040	N/A		4233	8329	12425	16521
USR CONFIGURABLE 107	107	137	5	0x0020	N/A		4233	8329	12425	16521
USR CONFIGURABLE 108	108	137	4	0x0010	N/A		4233	8329	12425	16521
USR CONFIGURABLE 109	109	137	3	0x0008	N/A		4233	8329	12425	16521
USR CONFIGURABLE 110	110	137	2	0x0004	N/A		4233	8329	12425	16521
USR CONFIGURABLE 111	111	137	1	0x0002	N/A		4233	8329	12425	16521
USR CONFIGURABLE 112	112	137	0	0x0001	N/A		4233	8329	12425	16521
USR CONFIGURABLE 113	113	138	15	0x8000	N/A		4234	8330	12426	16522
USR CONFIGURABLE 114	114	138	14	0x4000	N/A		4234	8330	12426	16522
USR CONFIGURABLE 115	115	138	13	0x2000	N/A		4234	8330	12426	16522
USR CONFIGURABLE 116	116	138	12	0x1000	N/A		4234	8330	12426	16522
USR CONFIGURABLE 117	117	138	11	0x0800	N/A		4234	8330	12426	16522
USR CONFIGURABLE 118	118	138	10	0x0400	N/A		4234	8330	12426	16522
RPM MISSING IN CRANK	119	138	9	0x0200	N/A	AVAILABLE	4234	8330	12426	16522
ON-LINE IN BKUP MODE	120	138	8	0x0100	N/A	AVAILABLE	4234	8330	12426	16522
ENGINE HOURS NOW	N/A	304	N/A	N/A	2		4400	8496	12592	16688