

SIGMA S6610 MODBUS Memory Map

Addr	New Name	Description	Parameter	Range	Data type	Read/Write	S6610 ADDR 5
Measurements							
1	TotalLoadPercent	Total Load Percent	0 - 65535	0 - 65535	Word	R	0
2	TotalLoadAmp	Total Load Amp	0 - 65535	0 - 65535	Word	R	0
3	TotalReserveAmp	Total Reserve Amp	0 - 65535	0 - 65535	Word	R	0
4	RunningCapacityAmp	Total Running Capacity Amp	0 - 65535	0 - 65535	Word	R	0
5	PlantCapacityAmp	Plant Capacity Amp	0 - 65535	0 - 65535	Word	R	121
6	TotalLoadkW	Total Load kW	0 - 65535	0 - 65535	Word	R	0
7	TotalReservekW	Total Reserve kW	0 - 65535	0 - 65535	Word	R	0
8	RunningCapacitykW	Total Running Capacity kW	0 - 65535	0 - 65535	Word	R	0
9	PlantCapacitykW	Plant Capacity kW	0 - 65535	0 - 65535	Word	R	84
10	TotalLcRequestAmp	Total Lc Reguest Amp	0 - 65535	0 - 65535	Word	R	0
11	TotalLcLoadAmp	Total Lc Load Amp	0 - 65535	0 - 65535	Word	R	0
12	Lc1RequestAmp	Lc1 Reguest Amp	0 - 65535	0 - 65535	Word	R	0
13	Lc1LoadAmp	Lc1 Load Amp	0 - 65535	0 - 65535	Word	R	0
14	Lc2RequestAmp	Lc2 Reguest Amp	0 - 65535	0 - 65535	Word	R	0
15	Lc2LoadAmp	Lc2 Load Amp	0 - 65535	0 - 65535	Word	R	0
16	Lc3RequestAmp	Lc3 Reguest Amp	0 - 65535	0 - 65535	Word	R	0
17	Lc3LoadAmp	Lc3 Load Amp	0 - 65535	0 - 65535	Word	R	0
18	Lc4RequestAmp	Lc4 Reguest Amp	0 - 65535	0 - 65535	Word	R	0
19	Lc4LoadAmp	Lc4 Load Amp	0 - 65535	0 - 65535	Word	R	0
20	Lc5RequestAmp	Lc5 Reguest Amp	0 - 65535	0 - 65535	Word	R	0
21	Lc5LoadAmp	Lc5 Load Amp	0 - 65535	0 - 65535	Word	R	0
22	TotalLcRequestkW	Total Lc Reguest kW	0 - 65535	0 - 65535	Word	R	0
23	TotalLcLoadkW	Total Lc Load kW	0 - 65535	0 - 65535	Word	R	0
24	Lc1RequestkW	Lc1 Reguest kW	0 - 65535	0 - 65535	Word	R	0
25	Lc1LoadkW	Lc1 Load kW	0 - 65535	0 - 65535	Word	R	0
26	Lc2RequestkW	Lc2 Reguest kW	0 - 65535	0 - 65535	Word	R	0
27	Lc2LoadkW	Lc2 Load kW	0 - 65535	0 - 65535	Word	R	0
28	Lc3RequestkW	Lc3 Reguest kW	0 - 65535	0 - 65535	Word	R	0
29	Lc3LoadkW	Lc3 Load kW	0 - 65535	0 - 65535	Word	R	0
30	Lc4RequestkW	Lc4 Reguest kW	0 - 65535	0 - 65535	Word	R	0
31	Lc4LoadkW	Lc4 Load kW	0 - 65535	0 - 65535	Word	R	0
32	Lc5RequestkW	Lc5 Reguest kW	0 - 65535	0 - 65535	Word	R	0
33	Lc5LoadkW	Lc5 Load kW	0 - 65535	0 - 65535	Word	R	0
34	StartValueAmp	Start Value Amp	0 - 65535	0 - 65535	Word	R	0
35	StopValueAmp	Stop Value Amp	0 - 65535	0 - 65535	Word	R	0
36	StartValuekW	Start Value kW	0 - 65535	0 - 65535	Word	R	0
37	StopValuekW	Stop Value kW	0 - 65535	0 - 65535	Word	R	0
LED Status							
80	LEDOffMask	LED On/Off Status	Bit mask	-	Word	R	3
		Bit 0 = Primary Supply					
		Bit 1 = Backup Supply					
		Bit 2 = C/B Closed					
		Bit 3 = Protection Trip					
		Bit 4 = In Operation					
		Bit 5 = Off Duty					
		Bit 6 = Engine Error					
		Bit 7 = Alarm					
81	LEDFlashMask	LED Flash Status	Bit mask	-	Word	R	0
		Bit 0 = Primary Supply					
		Bit 1 = Backup Supply					
		Bit 2 = C/B Closed					
		Bit 3 = Protection Trip					
		Bit 4 = In Operation					
		Bit 5 = Off Duty					
		Bit 6 = Engine Error					
		Bit 7 = Alarm					
LC Digital Input Status							
82	LCInputMask	Input Status	Bit mask	-	Word	R	0
		Bit 0 = LC1					
		Bit 1 = LC2					
		Bit 2 = LC3					
		Bit 3 = LC4					
		Bit 4 = LC5					
LC Output Status							
83	LCOutputMask	Output Status	Bit mask	-	Word	R	0
		Bit 0 = LC1					
		Bit 1 = LC2					
		Bit 2 = LC3					



		Bit 3 = LC4					
		Bit 4 = LC5					
AUX Digital Input Status							
84	AUXInputMask	Input Status	Bit mask	-	Word	R	512
		Bit 0 = AUX1					
		Bit 1 = AUX2					
		Bit 2 = AUX3					
		Bit 3 = AUX4					
		Bit 4 = AUX5					
		Bit 5 = AUX6					
		Bit 6 = AUX7					
		Bit 7 = AUX8					
		Bit 8 = LED TEST					
		Bit 9 = MANUAL					
		Bit 10 = AUX11					
		Bit 11 = AUX12					
AUX Output Status							
85	AUXOutputMask	Output Status	Bit mask	-	Word	R	0
		Bit 0 = AUX1					
		Bit 1 = AUX2					
		Bit 2 = AUX3					
		Bit 3 = AUX4					
		Bit 4 = AUX5					
		Bit 5 = AUX6					
		Bit 6 = AUX7					
		Bit 7 = AUX8					
		Bit 8 = AUX9					
Alarm Status							
89	AlarmMask	Alarm Error Status	Bit mask	-	Word	R	0
		Bit 0 = Primary Supply					
		Bit 1 = Backup Supply					
		Bit 2 = Can Bus					
		Bit 3 = Unused					
		Bit 4 = Unused					
		Bit 5 = Unused					
		Bit 6 = Unused					
		Bit 7 = Main Loop					
Analog Input Status							
90	LC1Analnps	LC1 Analog Input	0 - 100 %	0 - 100	Word	R	0
91	LC2Analnps	LC2 Analog Input	0 - 100 %	0 - 100	Word	R	0
92	LC3Analnps	LC3 Analog Input	0 - 100 %	0 - 100	Word	R	0
93	LC4Analnps	LC4 Analog Input	0 - 100 %	0 - 100	Word	R	0
94	LC5Analnps	LC5 Analog Input	0 - 100 %	0 - 100	Word	R	0
Configuration							
100	StartLevel	Start Level	20 - 120 %	20 - 120	Word	RW	95
101	StartDelay	Start Delay	2 - 32000 s	2 - 32000	Word	RW	5
102							
103	StopLevel	Stop Level	20 - 120 %	20 - 120	Word	RW	70
104	StopDelay	Stop Delay	2 - 32000 s	2 - 32000	Word	RW	15
105							
106	LC1A	Large Consumer 1 Amp	0 - 32000 A	0 - 3200	Word	RW	100
107	LC2A	Large Consumer 2 Amp	0 - 32000 A	0 - 3200	Word	RW	200
108	LC3A	Large Consumer 3 Amp	0 - 32000 A	0 - 3200	Word	RW	300
109	LC4A	Large Consumer 4 Amp	0 - 32000 A	0 - 3200	Word	RW	400
110	LC5A	Large Consumer 5 Amp	0 - 32000 A	0 - 3200	Word	RW	500
111	LC1kW	Large Consumer 1 kW	0 - 32000 kW	0 - 3200	Word	RW	100
112	LC2kW	Large Consumer 2 kW	0 - 32000 kW	0 - 3200	Word	RW	200
113	LC3kW	Large Consumer 3 kW	0 - 32000 kW	0 - 3200	Word	RW	300
114	LC4kW	Large Consumer 4 kW	0 - 32000 kW	0 - 3200	Word	RW	400
115	LC5kW	Large Consumer 5 kW	0 - 32000 kW	0 - 3200	Word	RW	500
116							
117	LCACK1OC	Large Consumer 1 open collector state 0 = Normally Deenergized (ND) 1 = Normally Energized (NE)	Index	0 - 1	Word	RW	0
118	LCACK2OC	Large Consumer 2 open collector state 0 = Normally Deenergized (ND) 1 = Normally Energized (NE)	Index	0 - 1	Word	RW	0
119	LCACK3OC	Large Consumer 3 open collector state 0 = Normally Deenergized (ND) 1 = Normally Energized (NE)	Index	0 - 1	Word	RW	0
120	LCACK4OC	Large Consumer 4 open collector state 0 = Normally Deenergized (ND) 1 = Normally Energized (NE)	Index	0 - 1	Word	RW	0
121	LCACK5OC	Large Consumer 5 open collector state	Index	0 - 1	Word	RW	0



		0 = Normally Deenergized (ND) 1 = Normally Energized (NE)					
122	AUX1OC	AUX 1 open collector state	Index	0 - 1	Word	RW	0
		0 = Normally Deenergized (ND) 1 = Normally Energized (NE)					
123	AUX2OC	AUX 2 open collector state	Index	0 - 1	Word	RW	0
		0 = Normally Deenergized (ND) 1 = Normally Energized (NE)					
124	AUX3OC	AUX 3 open collector state	Index	0 - 1	Word	RW	0
		0 = Normally Deenergized (ND) 1 = Normally Energized (NE)					
125	AUX4OC	AUX 4 open collector state	Index	0 - 1	Word	RW	0
		0 = Normally Deenergized (ND) 1 = Normally Energized (NE)					
126	AUX5OC	AUX 5 open collector state	Index	0 - 1	Word	RW	0
		0 = Normally Deenergized (ND) 1 = Normally Energized (NE)					
127	AUX6OC	AUX 6 open collector state	Index	0 - 1	Word	RW	0
		0 = Normally Deenergized (ND) 1 = Normally Energized (NE)					
128	AUX7OC	AUX 7 open collector state	Index	0 - 1	Word	RW	0
		0 = Normally Deenergized (ND) 1 = Normally Energized (NE)					
129	AUX8OC	AUX 8 open collector state	Index	0 - 1	Word	RW	0
		0 = Normally Deenergized (ND) 1 = Normally Energized (NE)					
130	AUX9OC	AUX 9 open collector state	Index	0 - 1	Word	RW	0
		0 = Normally Deenergized (ND) 1 = Normally Energized (NE)					
131	AUX10OC	AUX 10 open collector state	Index	0 - 1	Word	RW	0
		0 = Normally Deenergized (ND) 1 = Normally Energized (NE)					
132							
133							
134							
135	LC1NE1	LC1 NE 1 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					
136	LC1NE2	LC1 NE 2 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					
137	LC1NE3	LC1 NE 3 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					
138	LC1NE4	LC1 NE 4 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					
139	LC1NE5	LC1 NE 5 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					
140	LC2NE1	LC2 NE 1 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					
141	LC2NE2	LC2 NE 2 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					
142	LC2NE3	LC2 NE 3 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					
143	LC2NE4	LC2 NE 4 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					
144	LC2NE5	LC2 NE 5 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					
145	LC3NE1	LC3 NE 1 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					
146	LC3NE2	LC3 NE 2 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					
147	LC3NE3	LC3 NE 3 Setting	Boolean	0 / 1	Word	RW	0
		0 = OFF 1 = ON					



148	LC3NE4	LC3 NE 4 Setting 0 = OFF 1 = ON	Boolean	0 / 1	Word	RW	0
149	LC3NE5	LC3 NE 5 Setting 0 = OFF 1 = ON	Boolean	0 / 1	Word	RW	0
150	LC4NE1	LC4 NE 1 Setting 0 = OFF 1 = ON	Boolean	0 / 1	Word	RW	0
151	LC4NE2	LC4 NE 2 Setting 0 = OFF 1 = ON	Boolean	0 / 1	Word	RW	0
152	LC4NE3	LC4 NE 3 Setting 0 = OFF 1 = ON	Boolean	0 / 1	Word	RW	0
153	LC4NE4	LC4 NE 4 Setting 0 = OFF 1 = ON	Boolean	0 / 1	Word	RW	0
154	LC4NE5	LC4 NE 5 Setting 0 = OFF 1 = ON	Boolean	0 / 1	Word	RW	0
155	LC5NE1	LC5 NE 1 Setting 0 = OFF 1 = ON	Boolean	0 / 1	Word	RW	0
156	LC5NE2	LC5 NE 2 Setting 0 = OFF 1 = ON	Boolean	0 / 1	Word	RW	0
157	LC5NE3	LC5 NE 3 Setting 0 = OFF 1 = ON	Boolean	0 / 1	Word	RW	0
158	LC5NE4	LC5 NE 4 Setting 0 = OFF 1 = ON	Boolean	0 / 1	Word	RW	0
159	LC5NE5	LC5 NE 5 Setting 0 = OFF 1 = ON	Boolean	0 / 1	Word	RW	0
160	AnalnpsLC1Enabled	Analog inputs large consumer 1 enabled 0 = No 1 = Yes	Boolean	0 / 1	Word	RW	0
161	AnalnpsLC1VoltMin	Analog inputs large consumer 1 Voltage Min	0.000 - 10.000 VDC	0 - 10000	Word	RW	0
162	AnalnpsLC1VoltMax	Analog inputs large consumer 1 Voltage Max	0.000 - 10.000 VDC	0 - 10000	Word	RW	10000
163							
164	AnalnpsLC2Enabled	Analog inputs large consumer 2 enabled 0 = No 1 = Yes	Boolean	0 / 1	Word	RW	0
165	AnalnpsLC2VoltMin	Analog inputs large consumer 2 Voltage Min	0.000 - 10.000 VDC	0 - 10000	Word	RW	0
166	AnalnpsLC2VoltMax	Analog inputs large consumer 2 Voltage Max	0.000 - 10.000 VDC	0 - 10000	Word	RW	10000
167							
168	AnalnpsLC3Enabled	Analog inputs large consumer 3 enabled 0 = No 1 = Yes	Boolean	0 / 1	Word	RW	0
169	AnalnpsLC3VoltMin	Analog inputs large consumer 3 Voltage Min	0.000 - 10.000 VDC	0 - 10000	Word	RW	0
170	AnalnpsLC3VoltMax	Analog inputs large consumer 3 Voltage Max	0.000 - 10.000 VDC	0 - 10000	Word	RW	10000
171							
172	AnalnpsLC4Enabled	Analog inputs large consumer 4 enabled 0 = No 1 = Yes	Boolean	0 / 1	Word	RW	0
173	AnalnpsLC4VoltMin	Analog inputs large consumer 4 Voltage Min	0.000 - 10.000 VDC	0 - 10000	Word	RW	0
174	AnalnpsLC4VoltMax	Analog inputs large consumer 4 Voltage Max	0.000 - 10.000 VDC	0 - 10000	Word	RW	10000
175							
176	AnalnpsLC5Enabled	Analog inputs large consumer 5 enabled 0 = No 1 = Yes	Boolean	0 / 1	Word	RW	0
177	AnalnpsLC5VoltMin	Analog inputs large consumer 5 Voltage Min	0.000 - 10.000 VDC	0 - 10000	Word	RW	0
178	AnalnpsLC5VoltMax	Analog inputs large consumer 5 Voltage Max	0.000 - 10.000 VDC	0 - 10000	Word	RW	10000
179							
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195							
196	AnaOut1Src	Analog Output 1 Source 0 = Total Load 1 = Total Reserve Capacity 2 = Total Capacity	Index	0 - 2	Word	RW	0
197	AnaOut1Signal	Analog Output 1 Signal 0 = Voltage 1 = Current	Index	0 - 1	Word	RW	0
198	AnaOut1SrcMin	Analog Output 1 Source Min.	-1000.0 - 1000.0 %	-10000 - 10000	Word	RW	0
199	AnaOut1SrcMax	Analog Output 1 Source Max.	-1000.0 - 1000.0 %	-10000 - 10000	Word	RW	100
200	AnaOut1SrcMinP	Analog Output 1 Source Min Power.	0 - 1000 kVA	0 - 10000	Word	R	0
201	AnaOut1SrcMaxP	Analog Output 1 Source Max Power.	0 - 1000 kVA	0 - 10000	Word	R	10
202	AnaOut1SrcMinA	Analog Output 1 Source Min Amp.	0 - 1000 A	0 - 10000	Word	R	0
203	AnaOut1SrcMaxA	Analog Output 1 Source Max Amp.	0 - 1000 A	0 - 10000	Word	R	10
204	AnaOut1VoltMin	Analog Output 1 Voltage Min.	-10.000 - 10.000 VDC	-10000 - 10000	Word	RW	0
205	AnaOut1VoltMax	Analog Output 1 Voltage Max.	-10.000 - 10.000 VDC	-10000 - 10000	Word	RW	10
206	AnaOut1CurMin	Analog Output 1 Current Min.	0.000 - 24.000 mA	0 - 20000	Word	RW	4
207	AnaOut1CurMax	Analog Output 1 Current Max.	0.000 - 24.000 mA	0 - 20000	Word	RW	20
208							
209	AnaOut2Src	Analog Output 2 Source 0 = Total Load 1 = Total Reserve Capacity 2 = Total Capacity	Index	0 - 2	Word	RW	1
210	AnaOut2Signal	Analog Output 2 Signal 0 = Voltage 1 = Current	Index	0 - 1	Word	RW	0
211	AnaOut2SrcMin	Analog Output 2 Source Min.	-1000.0 - 1000.0 %	-10000 - 10000	Word	RW	0
212	AnaOut2SrcMax	Analog Output 2 Source Max.	-1000.0 - 1000.0 %	-10000 - 10000	Word	RW	100
213	AnaOut2SrcMinP	Analog Output 2 Source Min Power.	0 - 1000 kVA	0 - 10000	Word	R	0
214	AnaOut2SrcMaxP	Analog Output 2 Source Max Power.	0 - 1000 kVA	0 - 10000	Word	R	10
215	AnaOut2SrcMinA	Analog Output 2 Source Min Amp.	0 - 1000 A	0 - 10000	Word	R	0
216	AnaOut2SrcMaxA	Analog Output 2 Source Max Amp.	0 - 1000 A	0 - 10000	Word	R	10
217	AnaOut2VoltMin	Analog Output 2 Voltage Min.	-10.000 - 10.000 VDC	-10000 - 10000	Word	RW	0
218	AnaOut2VoltMax	Analog Output 2 Voltage Max.	-10.000 - 10.000 VDC	-10000 - 10000	Word	RW	10
219	AnaOut2CurMin	Analog Output 2 Current Min.	0.000 - 24.000 mA	0 - 20000	Word	RW	4
220	AnaOut2CurMax	Analog Output 2 Current Max.	0.000 - 24.000 mA	0 - 20000	Word	RW	20
221							
222	Seq	System Sequence 0 = Linear 1 = Cyclic 2 = Duty Hour	Index	0 - 2	Word	RW	0
223							
224	LoadCalc	Load Calculation 0 = Load 1 = Current	Index	0 - 1	Word	RW	0
225							
226	StopOnFault	Stop On Fault 0 = Off 1 = On	Boolean	0 / 1	Word	RW	0
227							
228	Language	Language select 0 = English 1 = Deutsch	Index	0 - 1	Word	RW	0
229							
230							
231							
232							



233	RS232BaudRate	RS232 Baud Rate	Index	0 - 4	Word	RW	3
		0 = 1200					
		1 = 2400					
		2 = 4800					
		3 = 9600					
		4 = 19200					
234	RS232Parity	RS232 Parity	Index	0 - 2	Word	RW	0
		0 = None					
		1 = Even					
		2 = Odd					
235	RS232DataBits	RS232 Data Bits	Index	0 - 1	Word	RW	1
		0 = 7					
		1 = 8					
236	RS232StopBits	RS232 Stop Bits	Index	0 - 1	Word	RW	0
		0 = 1					
		1 = 2					
237							

