

H8163-CB MODBUS POINT MAP

Integer	Float	R/W	N/V	Model	Description
1	257/258	R	N/V		Energy Consumption, kWh, Low-word integer. Both 257/258 and 259/260 have the same floating point value
2	259/260	R	N/V		Energy Consumption, kWh, High-word integer. Both 257/258 and 259/260 have the same floating point value
3	261/262	R			Real Power, kW
4	263/264	R			Reactive Power, kVAR
5	265/266	R			Apparent Power, kVA
6	267/268	R			Total Power Factor
7	269/270	R		-1	Not applicable; reads 0xFFFF/NaN (int/float)
				-2	Average Voltage, L-L, average of 1
				-3	Average Voltage, L-L, average of 3
8	271/272	R		-1	Average Voltage, L-N, average of 1
				-2	Average Voltage, L-N, average of 2
				-3	Average Voltage, L-N, average of 3
9	273/274	R		-1	Average current, average of 1
				-2	Average current, average of 2
				-3	Average current, average of 3
10	275/276	R		-1	Real Power, phase A (same as register 3)
				-2/-3	Real Power, phase A
11	277/278	R		-1	Not applicable; reads 0xFFFF/NaN (int/float)
				-2/-3	Real Power, Phase B
12	279/280	R		-1/-2	Not applicable; reads 0xFFFF/NaN (int/float)
				-3	Real Power, Phase C
13	281/282	R		-1	Total Power Factor, Phase A (same as register 6)
				-2/-3	Total Power Factor, Phase A
14	283/284	R		-1	Not applicable; reads 0xFFFF/NaN (int/float)
				-2/-3	Total Power Factor, Phase B
15	285/286	R		-1/-2	Not applicable; reads 0xFFFF/NaN (int/float)
				-3	Total Power Factor, Phase C
16	287/288	R		-1	Not applicable; reads 0xFFFF/NaN (int/float)
				-2/-3	Voltage, Phase A-B
17	289/290	R		-1/-2	Not applicable; reads 0xFFFF/NaN (int/float)
				-3	Voltage, Phase B-C
18	291/292	R		-1/-2	Not applicable; reads 0xFFFF/NaN (int/float)
				-3	Voltage, Phase A-C
19	293/294	R		-1	Voltage, Phase A-N (same as register 8)
				-2/-3	Voltage, Phase A-N
20	295/296	R		-1	Not applicable; reads 0xFFFF/NaN (int/float)
				-2/-3	Voltage, Phase B-N
21	297/298	R		-1/-2	Not applicable; reads 0xFFFF/NaN (int/float)
				-3	Voltage, Phase C-N

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22	299/300	R		-1	Current, Phase A (same as register 9)
				-2/-3	Current, Phase A
23	301/302	R		-1	Not applicable; reads 0xFFFF/NaN (int/float)
				-2/-3	Current, Phase B
24	303/304	R		-1/-2	Not applicable; reads 0xFFFF/NaN (int/float)
				-3	Current, Phase C
25	305/306	R			Present Demand Subinterval: the currently accumulating subinterval demand, which is constantly changing.
26	307/308	R			Present Demand (kW): the present demand, which is updated at the end of every subinterval. This value is the average of the previous N subintervals, where N is the number of subintervals (register 37).
27	309/310	R	N/V		Peak Demand: the highest demand value that has occurred. Note: This value is also displayed on LCD for MAK kW when the comms board is present.
28	311/312	R			Present kVAR Subinterval: the currently accumulating subinterval kVAR, which is constantly changing.
29	313/314	R			Present kVAR: the present kVAR, which is updated at the end of every subinterval. This value is the average of the previous N subintervals, where N is the number of subintervals (register 37).
30	315/316	R	N/V		Peak kVAR: the highest kVAR value that has occurred (register 28).
31		R	N/V		Count of kWh Resets: the number of times the peak demand (register 27) has reset. This value will roll over from 65535 to 0.
32		R	N/V		Count of Peak Demand Resets: the number of times the peak demand (register 27) has reset. This value will roll over from 65535 to 0.
33		R	N/V		Count of Peak kVAR Resets: the number of times the peak kVAR (register 30) has reset. This value will roll over from 65535 to 0.
34		R			Count of Elapsed Subintervals: the number of subintervals that have elapsed. Because the demand (register 28) is updated every subinterval, use this register to determine whether two identical values in register 28 are for the same demand interval or for a new interval and the load has remained steady.
35		R			Number of Readings in Present Subinterval: the number of readings represented by the present subinterval (register 25). This register acts as an unsigned integer. Values larger than 32767 should not be trusted. See below for an explanation of subinterval reading count overflow. This register increments every 200 msec (5 times per sec).
36		R/W	N/V		Subinterval Length: sets the length of a subinterval. Value expressed in number of seconds times 5, e.g. a 15-minute subinterval is expressed here as 4500. For sync-to-comms or sync-to-demand-reset-input (hardware signal), set this to zero.
37		R	N/V		Number of Subintervals Per Demand Interval: sets the number of subintervals in a single demand interval. Legal values are 1 to 6. For block demand, set this to 1.
38		R	N/V		System ID: reads as 15024 for the Basic Meter and 15025 for the Enhanced Model to help identify the meter.
39		R	N/V		CT Size: 100A, 300A, etc.
40		R	N/V		CT Number: number of CTs that are connected; 1, 2, or 3.
41		R/W	N/V		Command (bit mapped): bit 0 (mask 1) = begin new demand subinterval bit 1 (mask 2) = clear kWh accumulator bit 2 (mask 4) = reset peak demand bit 3 (mask 8) = reset peak kVAR bits 4 to 15 = write these as zeros to avoid activating any additional commands that may be added in future revisions
42		R/W	N/V		Phase Loss, Latching Register (bit mapped): bit 0 = phase A bit 1 = phase B bits 3 to 15 = write these values as zeros. User clears this latching register.
43		R	N/V		Count of Phase Losses: number of times a phase loss has occurred on any phase. This value will roll over from 65535 to zero.
44		R/W	N/V		Date/Time: Month 1-12 (LSB), Day 1-31 (MSB)
45		R/W	N/V		Date/Time: Year 0-99 (LSB), Hour 0-23 (MSB)
46		R/W	N/V		Date/Time: Minutes 0-59 (LSB), Seconds 0-59 (MSB)
47		R	N/V		Phase Loss Timestamp: Month 1-12 (LSB), Day 1-31 (MSB)

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48		R	N/V		Phase Loss Timestamp: Year 0-99 (LSB), Hour 0-23 (MSB)
49		R	N/V		Phase Loss Timestamp: Minutes 0-59 (LSB), Seconds 0-59 (MSB)
50		R	N/V		Last Restart Timestamp: Month 1-12 (LSB), Day 1-31 (MSB)
51		R	N/V		Last Restart Timestamp: Year 0-99 (LSB), Hour 0-23 (MSB)
52		R	N/V		Last Restart Timestamp: Minutes 0-59 (LSB), Seconds 0-59 (MSB)
53		R	N/V		Last kWh Restart Timestamp: Month 1-12 (LSB), Day 1-31 (MSB)
54		R	N/V		Last kWh Restart Timestamp: Year 0-99 (LSB), Hour 0-23 (MSB)
55		R	N/V		Last kWh Restart Timestamp: Minutes 0-59 (LSB), Seconds 0-59 (MSB)

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