Modbus P1 Gateway
Modbus Register Map

Version 1.1.3,
last updated: 05-10-2020

The following **Input Registers** are published by the gateway. Each measurement is a **32 bits (2 registers) float** value. If a measurement is not provided by the P1 meter or the gateway is unable to parse the measurement, the value will be **NaN** (Not a Number, 0x7fc00000).

Input Register	Measurement
0	Version information for P1 output
2	Meter Reading electricity delivered to client (Tariff 1) in 0,001 kWh
4	Meter Reading electricity delivered to client (Tariff 2) in 0,001 kWh
6	Meter Reading electricity delivered by client (Tariff 1) in 0,001 kWh
8	Meter Reading electricity delivered by client (Tariff 2) in 0,001 kWh
10	Tariff indicator electricity.
12	Actual electricity power delivered (+P) in 1 Watt resolution
14	Actual electricity power received (-P) in 1 Watt resolution
16	Number of power failures in any phase
18	Number of long power failures in any phase
20	Number of voltage sags in phase L1
22	Number of voltage sags in phase L2
24	Number of voltage sags in phase L3
26	Number of voltage swells in phase L1
28	Number of voltage swells in phase L2
30	Number of voltage swells in phase L3
32	Instantaneous voltage L1 in V resolution
34	Instantaneous voltage L2 in V resolution
36	Instantaneous voltage L3 in V resolution
38	Instantaneous current L1 in A resolution.
40	Instantaneous current L2 in A resolution.
42	Instantaneous current L3 in A resolution.
44	Instantaneous active power L1 (+P) in W resolution
46	Instantaneous active power L2 (+P) in W resolution
48	Instantaneous active power L3 (+P) in W resolution
50	Instantaneous active power L1 (-P) in W resolution
52	Instantaneous active power L2 (-P) in W resolution

54	Instantaneous active power L3 (-P) in W resolution
56	The actual threshold Electricity in A
58	Actual switch position Electricity (in/out)
60	Actual switch position Electricity (in/out)
62	Text message codes: numeric 8 digits
64	Device-Type slave meter 1 (probably gas)
66	Last meter reading slave meter 1 (probably gas)
68	Last meter reading slave meter 1 (probably gas)
70	Valve position (on/off/released) slave meter 1 (probably gas)
72	Device-Type slave meter 2
74	Last meter reading slave meter 2
76	Last meter reading slave meter 2
78	Valve position (on/off/released) slave meter 2
80	Device-Type slave meter 3
82	Last meter reading slave meter 3
84	Last meter reading slave meter 3
86	Valve position (on/off/released) slave meter 3
88	Device-Type slave meter 4
90	Last meter reading slave meter 4
92	Last meter reading slave meter 4
94	Valve position (on/off/released) slave meter 4
96	Last Meter reading Gas in 0,001 m3
98	Last Meter reading Gas in 0,001 m3 temperature compensated
100	Valve position Gas (on/off/released)
102	Last meter reading Heat in 0,01 GJ
104	Last meter reading Cold in 0,01 GJ
106	Last meter reading Water in 0,001 m3
108	Last value of ‘not temperature corrected’ gas volume in m3 slave meter 1 (BE)
110	Last value of ‘not temperature corrected’ gas volume in m3 slave meter 2 (BE)
112	Last value of ‘not temperature corrected’ gas volume in m3 slave meter 3 (BE)
114	Last value of ‘not temperature corrected’ gas volume in m3 slave meter 4 (BE)
116	Version information (BE)
118	Breaker state (BE)
120	Fuse supervision threshold (L1) (BE)