

1. Instantaneous parameters

#	Modbus					Content	Remark
	Modbus register address	R/W	Register length	Data Description	Unit		
1	0100	R	2	INT32(3+3)	V	voltage	
2	0102	R	2	INT32(2+3)	A	current	forward and reverse
3	0104	R	2	INT32(5+0)	W	active power	
4	0106	R	2	INT32(5+0)	VA	apparent power	
5	0108	R	2	INT32(5+0)	var	reactive power	
6	010A	R	1	INT16(2+1)	Hz	frequency	
7	010B	R	1	INT16(1+3)	PF	power factor	With CL indication, active power with sign of forward and reverse(modbus)

2. Energy parameters

#	Modbus					Content	Remark
		R/W			Unit		
1	010E	R	2	INT32(6+2)	kWh	Total forward active energy	
2	0110	R	2	INT32(6+2)	kWh	T1 total forward active energy	without tariffs version: T1= Total forward active energy
3	0112	R	2	INT32(6+2)	kWh	T2 total forward active energy	without tariffs version: T2=0
4	0114	R	2	INT32(6+2)	kWh	T3 total forward active energy	without tariffs version: T3=0
5	0116	R	2	INT32(6+2)	kWh	T4 total forward active energy	without tariffs version: T4=0
6	0118	R	2	INT32(6+2)	kWh	Total reverse active energy	
7	011A	R	2	INT32(6+2)	kWh	T1 total reverse active energy	without tariffs version: T1=Total reverse active energy
8	011C	R	2	INT32(6+2)	kWh	T2 total reverse active energy	
9	011E	R	2	INT32(6+2)	kWh	T3 total reverse active energy	

10	0120	R	2	INT32(6+2)	kWh	T4 total reverse active energy	
11	0122	R	2	INT32(6+2)	kWh	Total active energy	You can choose (forward), (reverse), (forward+reverse), (forward-reverse) by the synthetic code
12	0124	R	2	INT32(6+2)	kWh	T1 total active energy	without tariffs version: T1= Total active energy
13	0126	R	2	INT32(6+2)	kWh	T2 total active energy	
14	0128	R	2	INT32(6+2)	kWh	T3 total active energy	
15	012A	R	2	INT32(6+2)	kWh	T4 total active energy	
16	012C	R	2	INT32(6+2)	kvarh	Total forward reactive energy	
17	012E	R	2	INT32(6+2)	kvarh	T1 total forward reactive energy	without tariffs version: T1=Total forward reactive energy
18	0130	R	2	INT32(6+2)	kvarh	T2 total forward reactive energy	
19	0132	R	2	INT32(6+2)	kvarh	T3 total forward reactive energy	
20	0134	R	2	INT32(6+2)	kvarh	T4 total forward reactive energy	
21	0136	R	2	INT32(6+2)	kvarh	Total reverse reactive energy	
22	0138	R	2	INT32(6+2)	kvarh	T1 total reverse reactive energy	without tariffs version: T1=total reverse reactive energy
23	013A	R	2	INT32(6+2)	kvarh	T2 total reverse reactive energy	
24	013C	R	2	INT32(6+2)	kvarh	T3 total reverse reactive energy	
25	013E	R	2	INT32(6+2)	kvarh	T4 total reverse reactive energy	
26	0140	R	2	INT32(6+2)	kvarh	Total reactive energy	
27	0142	R	2	INT32(6+2)	kvarh	T1 total reactive energy	without tariffs version: T1=total reactive energy
28	0144	R	2	INT32(6+2)	kvarh	T2 total reactive energy	
29	0146	R	2	INT32(6+2)	kvarh	T3 total reactive energy	
30	0148	R	2	INT32(6+2)	kvarh	T4 total reactive energy	
31	014A	R	2	INT32(6+2)	kvarh	Total reactive energy in the first quadrant	
32	014C	R	2	INT32(6+2)	kvarh	T1 total reactive energy in the first quadrant	without tariffs version: T1=Total reactive energy in the first quadrant

33	014E	R	2	INT32(6+2)	kvarh	T2 total reactive energy in the first quadrant	
34	0150	R	2	INT32(6+2)	kvarh	T3 total reactive energy in the first quadrant	
35	0152	R	2	INT32(6+2)	kvarh	T4 total reactive energy in the first quadrant	
36	0154	R	2	INT32(6+2)	kvarh	Total reactive energy in the second quadrant	
37	0156	R	2	INT32(6+2)	kvarh	T1 total reactive energy in the second quadrant	without tariffs version: T1=Total reactive energy in the second quadrant
38	0158	R	2	INT32(6+2)	kvarh	T2 total reactive energy in the second quadrant	
39	015A	R	2	INT32(6+2)	kvarh	T3 total reactive energy in the second quadrant	
40	015C	R	2	INT32(6+2)	kvarh	T4 total reactive energy in the second quadrant	
41	015E	R	2	INT32(6+2)	kvarh	Total reactive energy in the third quadrant	
42	0160	R	2	INT32(6+2)	kvarh	T1 total reactive energy in the third quadrant	without tariffs version: T1=Total reactive energy in the third quadrant
43	0162	R	2	INT32(6+2)	kvarh	T2 total reactive energy in the third quadrant	
44	0164	R	2	INT32(6+2)	kvarh	T3 total reactive energy in the third quadrant	
45	0166	R	2	INT32(6+2)	kvarh	T4 total reactive energy in the third quadrant	
46	0168	R	2	INT32(6+2)	kvarh	Total reactive energy in the fourth quadrant	
47	016A	R	2	INT32(6+2)	kvarh	T1 total reactive energy in the fourth quadrant	without tariffs version: T1=Total reactive energy in the fourth quadrant
48	016C	R	2	INT32(6+2)	kvarh	T2 total reactive energy in the fourth quadrant	
49	016E	R	2	INT32(6+2)	kvarh	T3 total reactive energy in the fourth quadrant	
50	0170	R	2	INT32(6+2)	kvarh	T4 total reactive energy in the fourth quadrant	
51	0172	R	2	INT32(6+2)	kWh	Resettable total active energy	
52	0174	R	2	INT32(6+2)	kvarh	Resettable total reactive energy	
53	0176	R	2	INT32(6+1)	W	forward active demand	

54	0178	R	2	INT32(6+1)	W	forward maximum active energy demand	
55	017A	R	2	INT32(6+1)	W	reverse active demand	
56	017C	R	2	INT32(6+1)	W	reverse maximum active energy demand	
57	0180	R	2	INT32(6+1)	var	forward reactive demand	
58	0182	R	2	INT32(6+1)	var	Forward maximum reactive demand	
59	0184	R	2	INT32(6+1)	var	reverse reactive demand	
60	0186	R	2	INT32(6+1)	var	reverse maximum reactive demand	

3. Meter parameters

#	Modbus				Content	Remark
		R/W		Unit		
1	1000	6	R.W	12-bit serial number,the same as xxx ID,it need to use 10h together, hexadecimal , 012345678910H serial number is 012345678910	Serial No.	
2	1003	1	R.W	1-247	Modbus ID	
3	1004	1	R	101	FW version	
4	1005	1	R		HW version	
5	1006	1	R	XXXX	FW Checksum	
6	1007	4	R.W	0 year, month, day, week, hour, minute, second, need to use 10 control code to write at one time	Time	Only available in OR-WE-526 with tariff version

7	100B	1	R.W	0-99		Scrolling time	
8	100C	1	R.W	6=9600 7=19200 8=38400 9=115200		485 baud rate	
9	100D	1	R.W	0=None 1=Odd 2=even		485 check digit	
10	100E	1	R.W	1=1bit 2=2bit		485 stop bit	
11	100F	1	R.W	1=total=forward 2=total=reverse 3=total=forward+reverse 4=total=forward-reverse		combined code	
	1010	1		0=Interval 1=Slip		demand mode	
12	1011	1	R.W	The unit minute can be set from 1-30, the default is 15 minutes		demand cycle	
17	1012	4	R.W	In bitwise,0 means no display, and need use the 10 control code should to write at one time (8 bytes are used for three-phase, but only 4 bytes are used for single-phase)		Cycle display content automatically	
	1016	1	R.W	Can be set to 0000-9999		password setting of the LCD button display	

35	1018	2	R.W	Meter running time (start calculation when the current is greater than the setting), write 0 clear to 0, need to use 10 control code to write at one time	Meter running time	Only available in OR-WE-526 with tariff version
35	101A	2	R.W	Unit mA(startup current by default, maximum current's 1.2 times) 10 control code is used to write data at one time	Timing current value	
15	2002	1	W	bit12-Resettable total active energy bit13-Resettable total reactive energy	Clear energy	
16	2003	1	W	0xA5XX bit0=forward active maximum demand bit1=reverse active maximum demand bit2=forward active maximum demand bit3=forward active maximum demand	Clear maximum demand	

4. Tariffs parameters

#	Modbus					
		R/W		Unit		

1	1700	R.W	12	hhmmNN*8 Requires continuous write operations and Opcode is 10H		Time period table 1	Only available in OR-WE-526 with tariff version
2	170C	R.W	12			Time period table 2	
3	1718	R.W	12			Time period table 3	
4	1724	R.W	12			Time period table 4	
5	1730	R.W	12			Time period table 5	
6	173C	R.W	12			Time period table 6	
7	1748	R.W	12			Time period table 7	
8	1754	R.W	12			Time period table 8	
9	1760	R.W	12	MMDDNN*8		Time zone table	
10	176C	R.W	21	MMDDNN*14		Holidays table	