WON G1

WON-G1 Multifunction Energy Meter is an advanced device designed to measure and monitor various electrical parameters in an energy distribution system.

It provides real-time data on the consumption and quality of electrical power, enabling businesses, industries, and households to better understand their energy usage, improve efficiency, and reduce operational costs.

WON-G1 Multifunction energy meters typically offer a comprehensive range of measurements and features that go beyond basic energy metering.

Address

Address	Parameters	Read/ Write Attributes	Data Range	Data types	Positive and Negative	Calculation formula	Default value
03H Function Data Address							
Power Parameter							
0000H	L1 Phase voltage Ua	Read	/	double letter	None	U=U x×0.1	/
0002H	L2 Phase voltage Ub	Read	/	double letter	None		/
0004H	L3 Phase voltage Uc	Read	/	double letter	None		/
0006H	L1-L2 Line voltage Uab	Read	/	double letter	None		/
0008H	L2-L3 Line voltage Ubc	Read	/	double letter	None		/
000AH	L3-L1 Line voltage Uca	Read	/	double letter	None		/
000CH	L1 Current Ia	Read	/	double letter	None	I=Ix×0.001	/
000EH	L2 Current Ib	Read	/	double letter	None		/
0010H	L3 Current Ic	Read	/	double letter	None		/
0012H	L1- A-phase active Power Pa	Read	/	single-precision floating-point		P=Px	/
0014H	L2- B-phase active Power Pb	Read	/	single-precision floating-point			/
0016H	L3- C-phase active Power Pc	Read	/	single-precision floating-point			/

0018H	Total active Power P	Read	/	single-precision floating-point			/
001AH	L1-A-phase reactive Power Qa	Read	/	single-precision floating-point		Q= Qx	/
001CH	L2-B-phase reactive Power Qb	Read	/	single-precision floating-point			/
001EH	L3- C-phase reactive Power Qc	Read	/	single-precision floating-point			/
0020H	Total reactive Power Q	Read	/	single-precision floating-point			/
0022H	L1- A-phase power factor PF	Read	/	double letter	YES	PF=PFx×0.001	/
0024H	L2-B-phase power factor PF	Read	/	double letter	YES		/
0026H	L3-C-phase power factor PF	Read	/	double letter	YES		/
0028H	Total power factor PF	Read	/	double letter	YES		/
002AH	L1-A-phase apparent power S	Read	/	single-precision floating-point		S=Sx	/
002CH	L2-B-phase apparent power S	Read	/	single-precision floating-point			/
002EH	L3-C-phase apparent power S	Read	/	single-precision floating-point			/
0030H	Total apparent power S	Read	/	single-precision floating-point			/
0032H	Frequency F	Read	/	double letter	NONE	F=Fx×0.01	/
Energy parameter							
0100H	Import active energy Consumed Active energy +EP	R/W	/	double letter	None	E=Ex×0.1	/
0102H	Export active energy Delivered Active energy-EP	R/W	/	double letter	None		/
0104H	Import reactive energy Consumed reactive energy +EQ	R/W	/	double letter	None		/
0106H	Import reactive energy Delivered reactive energy-EQ	R/W	/	double letter	None		/
03/06H Function Data Address							
Setup parameter							
0200H	CT Ratio	R/W	1-5000	Word	None	/	1
0201H	PT Ratio	R/W	1-5000	Word	None	/	1
0202H	Device address	R/W	1-254	Word	None	/	1

0203H	Communication baud rate	R/W	0:4800 1:96002:19200	Word	None	/	1
Remote control							
0300H	Binary input monitoring	Read	BIT0-BIT15 (1validity)	Word	None	1-16 way	0
0301H	Open telecommunication /control	R/W	BIT0-BIT15 (1validity)	Word	None	1-16way	0

Ux, Ix, P x, Q x, S x, F x, PF x, Ex in the communication address table are communication bare data; U, I, P, Q, S, F, PF, E are actual data.
*When reading and lowering registers in this device, it should be noted that the low byte of register data comes before and the high byte comes after; the low word comes before, and the high word comes after.

Illustration ：Test A Phase voltage

Send data ：01 03 00 00 00 02 C4 0B

Receive data ：01 03 04 B6 08 00 00 19 B5

The register value is 000008B6, which corresponds to Ua = 223.0V

Address

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