

MODBUS REGISTER ADDRESSES LIST

Readable parameters from MFM383A-C : [Length (Register) : 2 ; Data Structure : Float]

Address	Hex Address	Parameter	Address	Hex Address	Parameter
30000	0x00	Voltage V1N	30034	0x22	kVA3
30002	0x02	Voltage V2N	30036	0x24	kVAr1
30004	0x04	Voltage V3N	30038	0x26	kVAr2
30006	0x06	Average Voltage LN	30040	0x28	kVAr3
30008	0x08	Voltage V12	30042	0x2A	Total kW
30010	0x0A	Voltage V23	30044	0x2C	Total kVA
30012	0x0C	Voltage V31	30046	0x2E	Total kVAr
30014	0x0E	Average Voltage LL	30048	0x30	PF1
30016	0x10	Current I1	30050	0x32	PF2
30018	0x12	Current I2	30052	0x34	PF3
30020	0x14	Current I3	30054	0x36	Average PF
30022	0x16	Average Current	30056	0x38	Frequency
30024	0x18	kW1	30058	0x3A	kWh
30026	0x1A	kW2	30060	0x3C	kVAh
30028	0x1C	kW3	30062	0x3E	kVArh
30030	0x1E	kVA1	30064	0x40	Serial Number (Data Structure : Hex)
30032	0x20	kVA2			

Readable / writable parameters :

Address	Hex Address	Parameter	Range		Length (Register)	Data Structure
			Min value	Max value		
40000	0x00	Password	0	9998	1	Integer
			Value	Meaning		
40001	0x01	N/W selection	0	3P-4W	1	Integer
			1	3P-3W	1	Integer
			Min Value	Max Value		
40002	0x02	CT Secondary	1	5	1	Integer
40003	0x03	CT primary (CT Secondary = 5)	5	10000	1	Integer
		CT primary (CT Secondary = 1)	1	10000		
40004	0x04	PT Secondary	100	500	1	Integer
40005	0x05	PT primary	100	10000	2	Integer
40007	0x07	Slave Id	1	255	1	Integer
			Value	Meaning (bps)		
40008	0x08	Baud rate	0x0000	300	1	Integer
			0x0001	600		
			0x0002	1200		
			0x0003	2400		
			0x0004	4800		
			0x0005	9600		
			0x0006	19200		

MODBUS register addresses list

Readable / writable parameters from MFM383A-C :

Address	Hex Address	Parameter	Range		Length (Register)	Data Structure
			Value	Meaning		
40009	0x09	Parity	0x0000	None	1	Integer
			0x0001	Odd		
			0x0002	Even		
40010	0x0A	Stop bit	0x0000	1	1	Integer
			0x0001	2		
40011	0x0B	Factory Default	1	Set to factory setting range	1	Integer
40012	0x0C	Reset kWh	1	Reset Total Active Energy	1	Integer
40013	0x0D	Reset kVAh	1	Reset Total Apparent Energy	1	Integer
40014	0x0E	Reset kVArh	1	Reset Total Reactive Energy	1	Integer
			Min Value	Max Value		
40015	0x0F	Auto Mode Pages	1	20	1	Integer
			Page No	Meaning		
40016	0x10	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40017	0x11	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40018	0x12	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40019	0x13	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40020	0x14	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40021	0x15	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40022	0x16	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40023	0x17	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40024	0x18	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40025	0x19	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40026	0x1A	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40027	0x1B	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40028	0x1C	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40029	0x1D	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40030	0x1E	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40031	0x1F	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40032	0x20	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40033	0x21	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40034	0x22	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
40035	0x23	Page Address Sequence	1- 20	1- First Page ; 20-Last Page	1	Integer
			Min Value	Max Value (Sec.)		
40036	0x24	Backlight	0 (Always on)	7200	1	Integer
40037	0x25	Energy Selection	0	Active	1	Integer
			1	All	1	Integer

Compliance

Category	Reference Standards	Testing Level
Electrostatic Discharge	IEC 61000-4-2	Level-3
Electrical Fast Transient / Brust	IEC 61000-4-4	Level-3
Electromagnetic Field	IEC 61000-4-3	Level-3
Surge	IEC 61000-4-5	Level-3
Conducted RF	IEC 61000-4-6	Level-2
Rated Power Frequency	IEC 61000-4-8	Level-4
Voltage Dip / Short Interruptions	IEC 61000-4-11	Level-3
Conducted Emissions	CISPR-11	Class-B
Rated Emissions	CISPR-22	Class-A
Emission & Immunity	IEC 61326-1	
Safety	IEC 61010-1	
PFMF (Passing criteria)	IEC 61000-4-8	Class A

Ordering Information

Product Code	Supply Voltage	
TS2M1-1-16A-230V-CE	240V AC	CE
TS2M1-1-16A-110V	110V AC	