



**Table de registres Modbus
du MD45-M Modbus &
MD100-M Modbus**

***Modbus registers table of
the MD45-M Modbus &
MD100-M Modbus***

Registres en lecture / reading registers

Reg. address	Content	Function code	Register length	Unit	Data type
4000	Serial number	03	2	-	HEX
4002	Meter code	03	1	-	HEX
4003	Modbus ID	03	1	-	Signed
4004	Baud rate	03	1	-	Signed
4005	Protocol version	03	2	-	Float ABCD
4007	Software version	03	2	-	Float ABCD
4009	Hardware version	03	2	-	Float ABCD
400B	Meter amps	03	1	A	Signed
400D	S0 output rate	03	2	imp/kWh	Float ABCD
400F	Combination code	03	1	-	Signed
4010	LCD cycle time	03	1	sec.	HEX
4011	Parity setting	03	1	-	Signed
4012	Current direction	03	1	-	ASCII
4015	Error code	03	1	-	Signed
4016	Power down counter	03	1	-	Signed
4017	Present quadrant	03	1	-	Signed
401B	Checksum	03	2	-	HEX
401D	Active status word	03	2	-	HEX
5000	Voltage	03	2	V	Float ABCD
5008	Grid frequency	03	2	Hz	Float ABCD
500A	Current	03	2	A	Float ABCD
5012	Total active power	03	2	kW	Float ABCD
501A	Total reactive power	03	2	kvar	Float ABCD
5022	Total apparent power	03	2	kVA	Float ABCD
502A	Power factor	03	2	-	Float ABCD
6000	Total active energy	03	2	kWh	Float ABCD
6002	T1 Total active energy	03	2	kWh	Float ABCD
6004	T2 Total active energy	03	2	kWh	Float ABCD
600C	Forward active energy	03	2	kWh	Float ABCD
600E	T1 Forward active energy	03	2	kWh	Float ABCD
6010	T2 Forward active energy	03	2	kWh	Float ABCD
6018	Reverse active energy	03	2	kWh	Float ABCD
601A	T1 Reverse active energy	03	2	kWh	Float ABCD
601C	T2 Reverse Active Energy	03	2	kWh	Float ABCD
6024	Total reactive energy	03	2	kvarh	Float ABCD
6026	T1 Total reactive energy	03	2	kvarh	Float ABCD
6028	T2 Total reactive energy	03	2	kvarh	Float ABCD
6030	Forward reactive energy	03	2	kvarh	Float ABCD
6032	T1 Forward reactive energy	03	2	kvarh	Float ABCD
6034	T2 Forward reactive energy	03	2	kvarh	Float ABCD
603C	Reverse reactive energy	03	2	kvarh	Float ABCD
603E	T1 Reverse reactive energy	03	2	kvarh	Float ABCD
6040	T2 Reverse reactive energy	03	2	kvarh	Float ABCD
6048	Tariff	03	1	-	Signed
6049	Resettable day counter	03	2	kWh	Float ABCD

Registres en Ecriture / Write registers

Reg. address	Content	Function code	Register length	Unit	Data type
4003	Modbus ID	06	1	-	Signed
Command:	<u>01 06 4003 000A (new ID: 10)</u>		<u>01~247 - 01 default - 00 broadcast</u>		
4004	Baud rate	06	1	-	Signed
Command:	<u>01 06 4004 25 80 (new Baudrate: 9600)</u>		<u>1200 - 4800 - 9600</u>		
400D	S0 output rate	10	2	imp/kWh	Float ABCD
Command:	<u>01 10 400D 0002 04 41 20 00 00 (new S0: 10)</u>		<u>10.000 - 2.000 - 1.000 - 100 - 10 - 1 - 0,1 - 0,01</u>		
400F	Combination code	06	1	-	Signed
Command:	<u>01 06 400F 000A (new code: 10 F-R)</u>		<u>01, 04, 05, 06, 09, 10,</u>		
4010	LCD cycle time	06	1	sec.	HEX
Command:	<u>01 06 4010 0025 (new time: 25 sec.)</u>		<u>01~30</u>		
4011	Parity setting	06	1	-	Signed
Command:	<u>01 06 4011 0002 (new parity: none)</u>		<u>01: even - 02: none - 03: odd</u>		
4016	Power down counter	06	1	-	Signed
Command:	<u>01 06 4016 0000</u>		<u>Reset to 0</u>		
6048	Tariff	06	1	-	Signed
Command:	<u>01 06 6048 0002 (new tariff: 2)</u>		<u>01: T1 - 02: T2 - 11: T1 not saved - 12: T2 not saved</u>		
6049	Resettable day counter	06	1	kWh	Float ABCD
Command:	<u>01 10 6049 0002 04 0000 0000</u>		<u>Reset to 0</u>		

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