



## Modbus registers for LE-01MR meter

Register		Format	Parameter	Function	Read/Write	Description	Factor	Unit	Settings	Factory setting
HEX	DEC									
110	272	U16	Modbus Address (ID)	03/06	R/W	1 – 247	1	-	1 – 247	1
111	273	U16	Communication	03/06	R/W	Higher byte: parity Lower byte: speed	1	bps	Speed: 1 – 1200 2 – 2400 3 – 4800 4 – 9600 Parity: 1 – None 2 – Odd 3 – Even	9600 bps, Even Parity
112	274	U16	Display (data)	03/06	R/W	The individual bits of the high byte determine which parameters will be shown on the display. Low byte - measurement method.	1	-	Higher byte: Bit 1) Bit 2) Bit 3) Voltage Bit 4) Current Bit 5) Active power Bit 6) Reactive power Bit 7) Apparent power Bit 8) Power factor Lower byte: 0) Meter measures active and reactive energy consumed (the reactive energy register then shows the consumed active energy)* >0) Meter measures active and reactive energy	0xFF01
113	275	U16	Display (time)	03/06	R/W	High byte: Number of decimal digits in the energy value Low byte: every how many seconds the parameter on the display will change	1	-	Higher byte: 0) Result rounded to full kWh 1) Result rounded to 0.1 kWh 2) Result rounded to 0.01 kWh	0x0205
118	280	U16	Number of pulses/kWh	03/06	R/W	5 – 2000	1	-	5 – 2000	1000
130	304	U16	Frequency	03	R		0.01	Hz		
131	305	U16	Voltage	03	R		0.01	V		
139 (Hi)	313 (Hi)	U32	Current	03		(R313×256 <sup>2</sup> +R314) :1000	0.001	A		
13A (Lo)	314 (Lo)									
140 (Hi)	320 (Hi)	U32	Active power	03	R	(R320×256 <sup>2</sup> +R321) :1000	0.001	kW		
141 (Lo)	321 (Lo)									
148 (Hi)	328 (Hi)	U32	Reactive power	03	R	(R328×256 <sup>2</sup> +R329) :1000	0.001	kvar		
149 (Lo)	329 (Lo)									
150 (Hi)	336 (Hi)	U32	Apparent power	03	R	(R336×256 <sup>2</sup> +R337) :1000	0.001	kVA		
151 (Lo)	337 (Lo)									
158	344	S16	Power factor	03	R	number with a sign +/-	0.001	-		
A000 (Hi)	40960 (Hi)	U32	Active energy	03	R	(R40960×256 <sup>2</sup> +R40961) :100	0.01	kWh		
A001 (Lo)	40961 (Lo)									
A01E (Hi)	40990 (Hi)	U32	Reactive energy	03	R	(R40990×256 <sup>2</sup> +R40991) :100	0.01	kvarh		
A01F (Lo)	40991 (Lo)									

\* Warning: If the device is set to measure active energy consumed and supplied, the "Active energy" registers show the energy consumed, and the "Reactive energy" registers the energy supplied to the grid.