



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) | 03/16 | R/W | 1 – 247 | 1 | - | 1 – 247 | 1 |
| 111 | 273 | U16 | Communication | 03/16 | 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 Stop bits: 1 (no editable) | 9600 bps, Even Parity Stop bits: 1 |
| 112 | 274 | U16 | Display (data) | 03/16 | 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) | 03/16 | 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 | 03/16 | R/W | Energy meter pulse constant | 1 | - | 100, 1000, 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 ² +R314) :1000 | 0.001 | A | | |
| 13A (Lo) | 314 (Lo) | | | | | | | | | |
| 140 (Hi) | 320 (Hi) | U32 | Active power | 03 | R | (R320×256 ² +R321) :1000 | 0.001 | kW | | |
| 141 (Lo) | 321 (Lo) | | | | | | | | | |
| 148 (Hi) | 328 (Hi) | U32 | Reactive power | 03 | R | (R328×256 ² +R329) :1000 | 0.001 | kvar | | |
| 149 (Lo) | 329 (Lo) | | | | | | | | | |
| 150 (Hi) | 336 (Hi) | U32 | Apparent power | 03 | R | (R336×256 ² +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 ² +R40961) :100 | 0.01 | kWh | | |
| A001 (Lo) | 40961 (Lo) | | | | | | | | | |
| A01E (Hi) | 40990 (Hi) | U32 | Reactive energy | 03 | R | (R40990×256 ² +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.