

Code: MEW-01/ANT-1F

## ELECTRIC ENERGY MONITOR **MEW-01/ANT-1F** ONE-PHASE ZAMEL

Three-phase electric energy monitor. The MEW-01/ANT-1F is a three-phase and two-way monitor, so it is suitable for monitoring both energy consumed and fed into the power grid.

The MEW-01/ANT-1F device is designed to mount on DIN TS-35 rail.

**Attention!** The device can operate as a three-phase monitor after purchasing additional transformers.



|                        |  |
|------------------------|--|
| Support:               | SUPLA  |
| Device type:           | Electric Energy Monitor, One-phase   |
| Wireless:              | Wi-Fi, 2.4 GHz - IEEE 802.11 b/g/n   |
| Rated voltage:         | 230 V / 400 V AC, 50 / 60 Hz   |
| Voltage tolerance:     | -20 % ... 15 %   |
| Measurement unit:      | kWh  |
| Measurement method:    | Semi-indirect measurement using an current transformer - 1 pcs included                                    |
| Current:               | 100 A - Max. current   |
| LCD display:           | —  |
| RS-485 ports:          | —  |
| Connectors type:       | screw terminals max. 2.5 mm <sup>2</sup>   |
| Mobile phones support: | The <a href="#">SUPLA</a> free application on Android<br>The <a href="#">SUPLA</a> free application on iOS |

|                           |  |
|---------------------------|--|
| Measured parameters:      | <ul style="list-style-type: none"> <li>• frequency</li> <li>• Voltage</li> <li>• Current</li> <li>• Nominal power</li> <li>• Reactive power</li> <li>• Apparent Power</li> <li>• Power factor</li> <li>• Phase angle</li> <li>• Active power consumed</li> <li>• Active power returned</li> <li>• Reactive power consumed</li> <li>• Reactive power returned</li> </ul>  |
| Main features:            | <ul style="list-style-type: none"> <li>• Control from a Web browser</li> <li>• Data export in "*.csv", "*.ods", "*.xlsx", "*.html" formats</li> <li>• Working with Home Assistant, Grafana, Zabbix, Power BI</li> <li>• Compliance with the MQTT protocol</li> <li>• Two-way monitor</li> <li>• Monitoring of voltage spikes</li> <li>• LED indication</li> <li>• Possibility to manually program scenarios from the built-in API</li> <li>• Possibility of integration with external software</li> <li>• The external SMA RP connector allows to move the antenna outside the distribution board</li> </ul> |
| Housing:                  | Plastic, DIN, TS-35 rail mounting  |
| "Index of Protection":    | IP20   |
| Operation temp:           | -10 °C ... 55 °C   |
| Width in 17.5 mm modules: | 2  |
| Weight:                   | 0.100 kg   |
| Dimensions:               | 90 x 84 x 35 mm  |
| Manufacturer / Brand:     | ZAMEL  |
| Guarantee:                | 2 years  |