



CONCENTRATOR uL 5.0

The uL 5.0 concentrator enables radio reception of readings from meters such as water meters, heat meters, gas meters, electricity meters. It transmits data to the telemetric cloud via the GSM network (GPRS/ Cat.M1/ NB-IoT).

The collected readings are made available on the GlobTree platform every full hour, which allows for setting formulas for supervising the correct operation of measuring devices and installations.

The distinguishing feature of uL 5.0 is its operation (receiving and transmitting measurement data) in real time. In addition, the uL 5.0 Concentrator works with all devices with a frequency of 868 MHz, compliant with the Wireless M-Bus OMS protocol.

– regardless of the manufacturer and type of medium served (water, heat, electricity, gas).

Technical specifications

| | | |
|----------------------------------|---|----------------------------------|
| Case dimensions | 126x158x32 mm | |
| Case material | ABS plastic, white color | |
| Input voltage (mains) | 230 VAC, 50/60HZ, 0,25A | |
| Working temperature | 5-55 °C (indoor installation) | |
| Communication | wM-Bus 868,95 MHz; 2G/3G/4G/GSM/GPRS | |
| Antenna | internal or external | |
| Number of meters received | over 1000 pcs | |
| Filters | whitelist of searched devices/blacklist of unwanted devices | |
| Wireless M-Bus - RECEIVER | | |
| Frequency | 868.30MHz (868.00 MHz to 869.60 MHz) | |
| Receiver range | Free space – up to 800 m | Inside the building – up to 30 m |
| Communication mode | wM-Bus OMS modes T1 and C1 | |
| Encryption | AES: Advanced Encryption Standard: 128-bit key length | |
| GSM/GPRS modem | | |
| Frequency | 850, 900, 1800, 1900 MHz | |
| Class | Quad-Band Class 12 | |
| SIM slot | Mini-SIM, 2FF card | |