TRANSMISSION DEVICES





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	126x158	126x158x32 mm	
Case material	ABS plastic, w	ABS plastic, white color	
Input voltage (mains)	230 VAC, 50	230 VAC, 50/60HZ, 0,25A	
Working temperature	5-55 °C (indo	5-55 °C (indoor installation)	
Communication	wM-Bus 868,95 MHz; 2	wM-Bus 868,95 MHz; 2G/3G/4G/GSM/GPRS	
Antenna	internal c	internal or external	
Number of meters received	over 10	over 1000 pcs	
Filters	whitelist of searched devices,	whitelist of searched devices/blacklist of unwanted devices	
	Wireless M-Bus - RECEIVER		
Frequency	868.30MHz (868.00	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	wM-Bus OMS modes T1 and C1	
Encryption	AES: Advanced Encryption	AES: Advanced Encryption Standard: 128-bit key length	
	GSM/GPRS modem		
Frequency	850, 900, 180	850, 900, 1800, 1900 MHz	
Class	Quad-Bar	Quad-Band Class 12	
SIM slot	Mini-SIM	Mini-SIM, 2FF card	



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