Product description

This product bridges communication between electricity meters and a cloud service wirelessly over the Wi-Fi network.

Installation

1. The real-time meter can be mounted in various ways. Position it based on your needs:

- Inside the electrical meter box.
- External mounting on the metal electrical meter box using embedded magnets (recommended).
- External mounting on another surface, e.g. house wall using screws and supplied mounting plate.

  Caution! It is important to ensure that an exposed cable is not damaged. When the real-time meter is mounted outdoors, the cable must run downwards.

2. Activate the HAN port on the electrical meter.

- Contact your grid provider to activate the HAN port on your electrical meter. It is important that the electrical meter is equipped with RJ12 sockets (not RJ45 sockets).

3. Connect the real-time meter to the electrical meter by plugging the RJ12 plug/cable into the socket on the electrical meter. LED 2 in the middle of the unit should flash green.

4. Start the Mitt Bixia mobile application and follow the installation.

5. When the installation is complete, LED 2 (middle light) will stop flashing and remain green. LED 3 (on the right) will be green when the Wi-Fi signal is good and red when the signal strength is weak.

6. When LED 1 is orange, it indicates that the connection from the electrical meter to the Bixia system has been established.

Product overview

1. LED indicator lights
2. Cable
3. Screw hole
4. Embedded magnets
5. Mounting plate
6. Bolts for mounting the mounting plate

LED 1   LED 2   LED3   Mounting plate
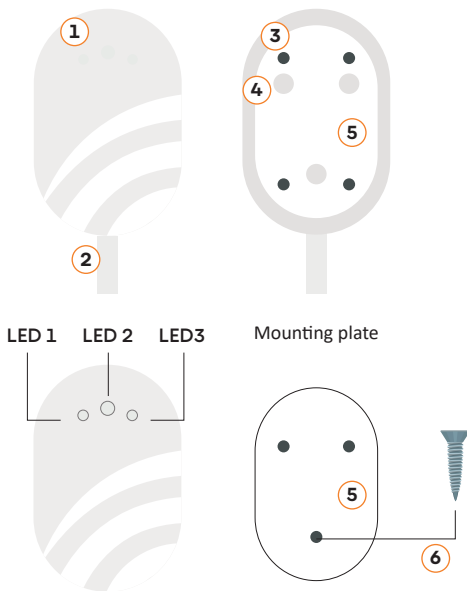
Bixia

Get started with your consumption in real time.

1 Download Mitt Bixia.
Download Mitt Bixia from the App Store or Google Play, or open the app if already downloaded.

2 Log in or create an account.
Log in to your existing Bixia account with BankID or create an account. You can only create an account with us if you are a customer.

3 Connect your real-time meter.
Go to "Smart hem" in Mitt Bixia and connect Bixia's real-time meter.

🌐 **bixia.se/realtidsmatare**

Technical specifications

Device Name	Real Time Meter
Communication	Module WIFI 802.11b/g/n
Power Feed	Voltage: 4.7 – 5.2 V DC Current: Typical 140 mA @ 5V, Max 180 mA Separate power supply through separate adapter (optional).
Dimensions (H x W x D)	75,5 x 47 x 19 mm
Operating temperature	-30 °C till +65 °C
Storage temperature	-40 °C till +85 °C
Protection Class	IP65
Possible mounting options	Fixed onto metal surfaces with embedded magnets or fixed via screws and supplied mounting plate.

Approved in line with Radio Equipment Directive (RED) 2014/53/EU

Disposal

If you carefully examine the label on the real-time meter, you will notice this symbol. It means that the device requires separate disposal and should not be treated as unsorted municipal waste.

If you live in the EU or another European country that sorts electronic waste, we strongly recommend that you take the real-time meter to your local recycling station when it has reached the end of its life. Proper waste management not only helps to prevent environmental and public health risks, but also helps save on natural resources through material recycling.

Safety precautions

Read and follow these guidelines and basic safety precautions before using the real-time meter to reduce the risk of fire, electric shock and/or injury.

- This device is designed for both indoor and outdoor use, but must not be submerged in water.
- Keep the unit out of the reach of children.
- Do not attempt to disassemble or touch any part of its electronic circuitry; this may result in electric shock or affect the functionality of the device.
- Only use original accessories.
- Keep the real-time meter and its cables away from heat sources and flammable materials to prevent fire hazards.
- If the real-time meter is used outside the electrical meter box, ensure that the cable is not damaged by the box's sharp edges.
- Use the real-time meter responsibly and avoid using it for purposes other than those for which it is intended.
- If you notice any signs of smoke, a burnt odour or other unusual behaviour, unplug the device and take appropriate action.

Resetting the device

To reset the device due to a router change or for other reasons:

- Disconnect the real-time meter from the electrical meter's RJ12 socket.
- Open Mitt Bixia and start the provisioning process.
- Reconnect the real-time meter to the electrical meter.

  Caution! The provisioning process in Mitt Bixia must be started within two minutes from reconnecting the device to the electrical meter.

Operation

During normal operation the Real Time Meter continuously During normal operation, the real-time meter continuously sends data to the cloud. No action is required.

If the power supply to the real-time meter is interrupted, for example during a power outage, the real-time meter will restart when the power supply is restored. LED 2 will then flash for a few minutes until a Wi-Fi connection is established.

Troubleshooting

- **If LED 2 does not flash or light up:** This indicates that the real-time meter has not started. Check that the plug is properly plugged into the electrical meter socket and that the cable is not damaged or severed. Check that the plug in the electrical meter is an RJ12 and not an RJ45. Contact your grid provider to check that the HAN port is enabled.

- **If LED 1 does not light up:** This indicates a problem connecting the electrical meter to the Bixia system. Check that the plug is properly plugged into the electrical meter socket and that the HAN port is activated. In case of problems with the HAN port, please contact your grid provider.

- **If data is not updated in Mitt Bixia and LED 2 is lit (not blinking):** Make sure that the Wi-Fi connection is stable and that LED 3 is lit green. If LED 3 is red or not lit at all, move the real-time meter to a location with a better Wi-Fi signal. Also make sure that the Wi-Fi router is connected to the Internet.

- **If LED 2 flashes:** This indicates that the device is not connected to the Wi-Fi network. In this case, use Mitt Bixia to configure the connection to the Wi-Fi network. When the connection to the Wi-Fi network is correctly established, LED 2 will remain lit.