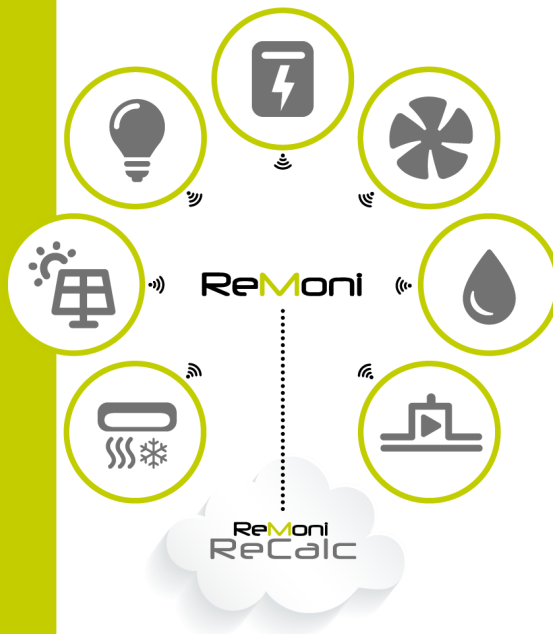


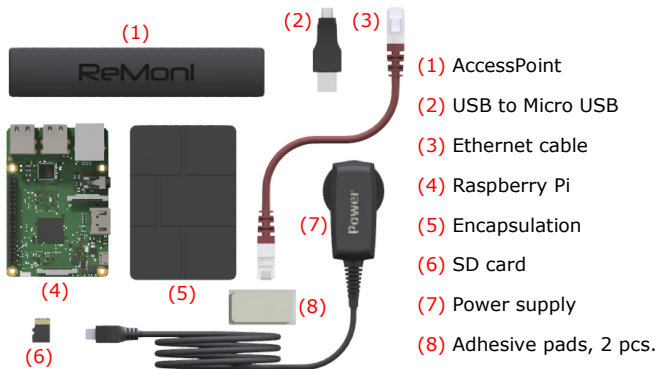
ENG

Installation Manuals

- Gateway
 - LAN
 - Mobile Data
 - WiFi
- PowerMoni Spot
- FlowMoni Spot
- HeatMoni Spot

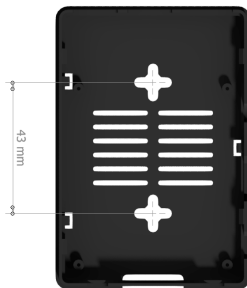


Installation of Gateway via LAN



- Registration of the Gateway is optional. Locate the AccessPoint ID on the unit. (As seen in red above). Log in to ReMoni's online portal: ReCalc.ReMoni.com and register the unit.

- Make sure you have everything in the picture.



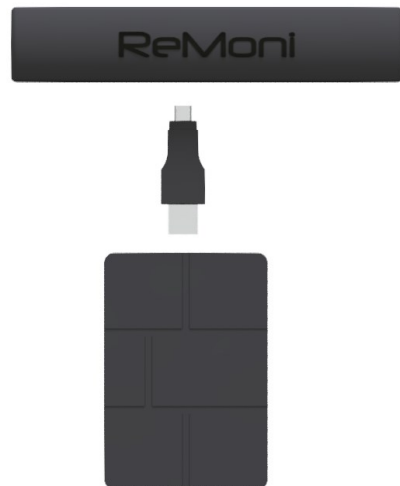
- The Gateway can be mounted using the holes in the case. See the mount distance above, or use the two adhesive pads on a clean and smooth surface.



- Assemble the Raspberry PI with the case.



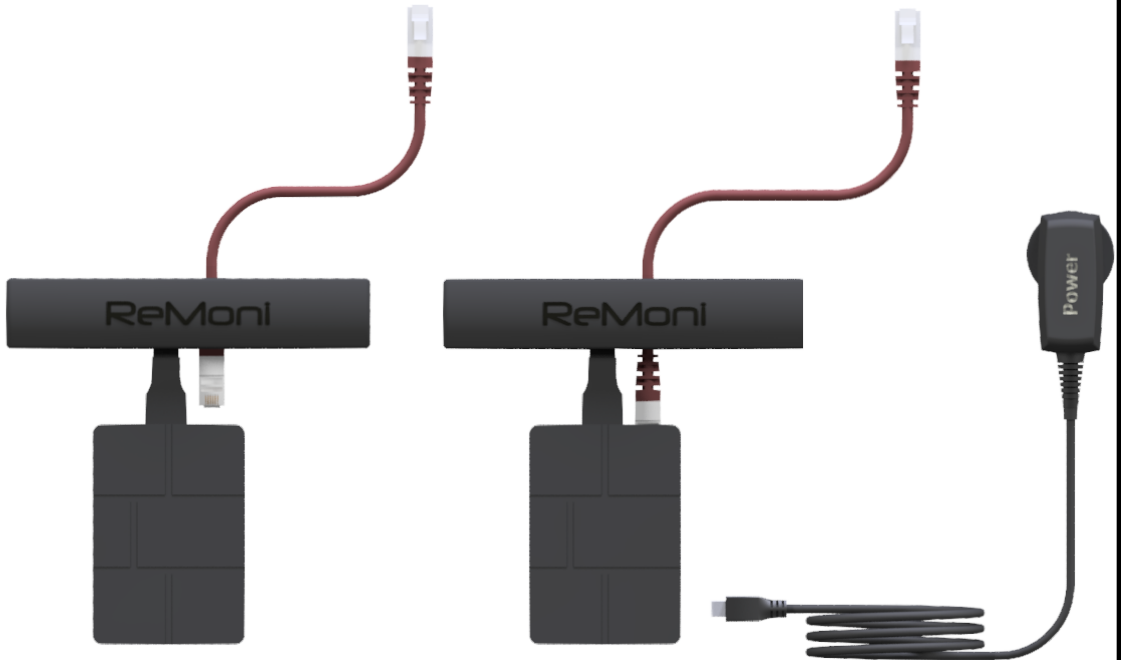
- Insert the SD card into the Raspberry Pi.



- Connect the AccessPoint to the Raspberry Pi with the USB to Micro USB connector.

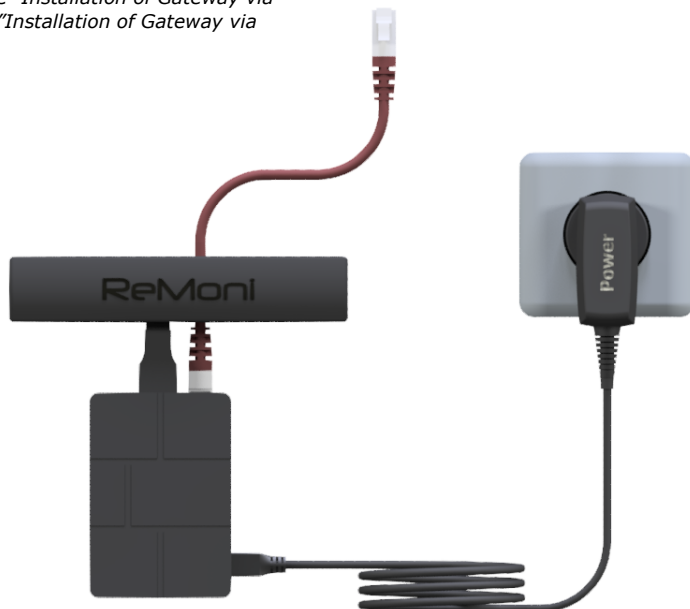


Installation of Gateway via LAN



7. Connect the Raspberry Pi to the internet via the ethernet cable.
The Gateway can also be connected via mobile data or WiFi. See *"Installation of Gateway via mobile data"* or *"Installation of Gateway via WiFi"*

8. Connect the power supply to the Raspberry Pi.



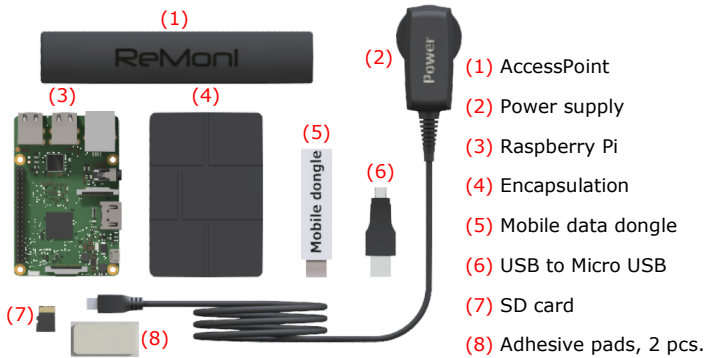
9. The Gateway is installed when the green LED light flashes. If the green LED light doesn't flash, turn off the power, wait 10 seconds and turn on the power again.

OBS. The best signal is obtained during installation a minimum of 1 meter from the ground.
Datasheets can be found on ReMoni's website: ReMoni.com.

Images are indicative and are subject to errors and changes.

Revised: April 2018

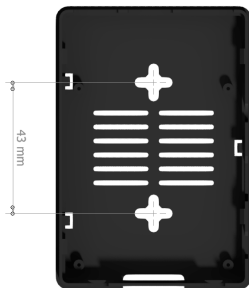
Installation of Gateway via mobile data



1. Make sure you have everything in the picture.



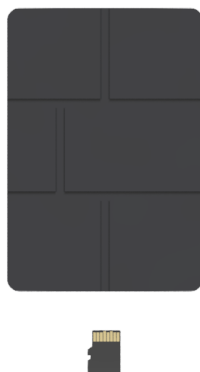
2. Registration of the Gateway is optional. Locate the AccessPoint ID on the unit. (As seen in red above). Log in to ReMoni's online portal: ReCalc.ReMoni.com and register the unit.



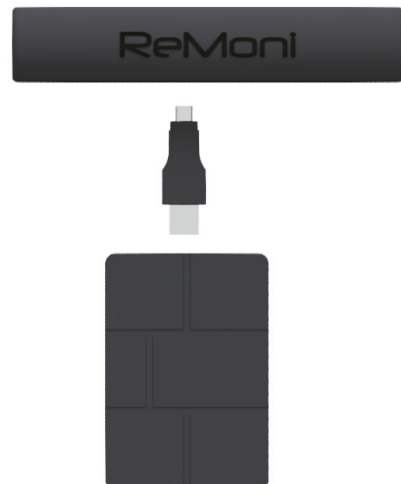
3. The Gateway can be mounted using the holes in the case. See the mount distance above, Or use the two adhesive pads on a clean and smooth surface.



4. Assemble the Raspberry PI with the case.



5. Insert the SD card into the Raspberry Pi.



6. Connect the AccessPoint to the Raspberry Pi with the USB to Micro USB connector.



Installation of Gateway via mobile data



7. Connect the mobile data dongle to the Raspberry Pi. The data dongle is connected to the USB connector behind the AccessPoint. The Gateway can also be connected via LAN or WiFi. See *"Installation of Gateway via LAN"* and *"Installation of Gateway via WiFi"*

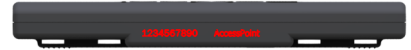
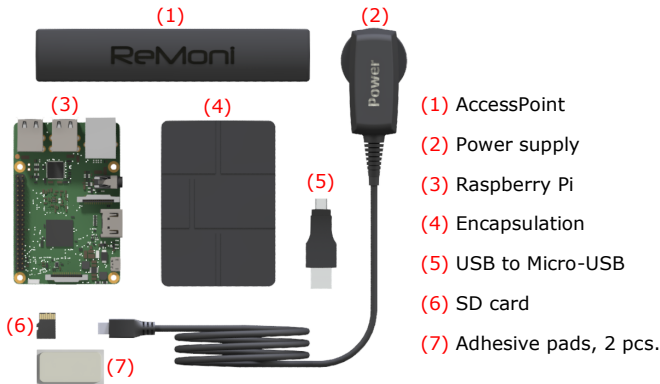
8. Connect the power supply to the Raspberry Pi.



9. The Gateway is installed when the green LED light flashes. If the green LED light doesn't flash, turn off the power, wait 10 seconds and turn on the power again. When the mobile dongle is lighting blue, the installation is complete. If it's not lighting blue, remove the dongle and wait 10 seconds and insert it again.

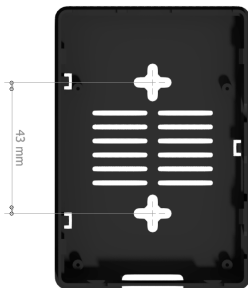
OBS. The best signal is obtained during installation a minimum of 1 meter from the ground. Datasheets can be found on ReMoni's website: ReMoni.com.

Installation of Gateway via WiFi



2. Registration of the Gateway is optional. Locate the AccessPoint ID on the unit. (As seen in red above). Log in to ReMoni's online portal: ReCalc.ReMoni.com and register the unit.

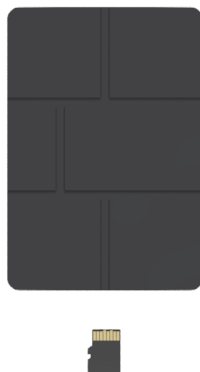
1. Make sure you have everything in the picture.



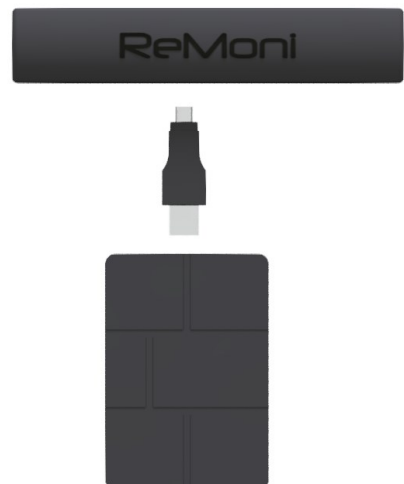
3. The Gateway can be mounted using the holes in the case. See the mount distance above, Or use the two adhesive pads on a clean and smooth surface.



4. Assemble the Raspberry PI with the case.



5. Insert the SD card into the Raspberry Pi.



6. Connect the AccessPoint to the Raspberry Pi with the USB to Micro USB connector.



Installation of Gateway via WiFi



7. Connect the power supply to the Gateway.
8. Wait 1 minute while the Gateway is starting.
9. Connect a smartphone, tablet or computer to the WiFi network (SSID) named ReMoni_Gateway.
10. A popup window to the WiFi installation on your Gateway should now appear on the device.
 - a. If the window doesn't appear, make sure that you're connected to the network ReMoni_Gateway.
 - b. If you're connected to ReMoni_Gateway and the popup window still doesn't appear, open your browser and type the IP address 192.168.42.1 in the top address bar.
11. Follow the on-screen instructions on the device.
12. When the wifi setup is complete, visit ReMoni's online portal: ReCalc.ReMoni.com for further installation.

The Gateway can also be connected via LAN or mobile data. See *"Installation of Gateway via LAN"* or *"Installation of Gateway via mobile data"*.

OBS. The best signal is obtained during installation a minimum of 1 meter from the ground. Datasheets can be found on ReMoni's website: ReMoni.com.

Images are indicative and are subject to errors and changes.

Revised: April 2018

Installation of the PowerMoni Spot



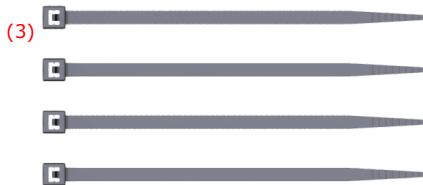
1. Locate the PowerMoni Spot ID on the unit. (As seen in red above).

Log in to ReMoni's online portal:
ReCalc.ReMoni.com and register the unit.



2. The PowerMoni Spot reads its data from the point where the CE symbol is placed. See the picture above.

For soft cable mounting



3a. Make sure you have everything in the picture.

- (1) PowerMoni Spot, 1 pcs.
- (2) Cable Fix, 1 pcs.
- (3) Cable ties, 4 pcs.



- 4a. Mount the PowerMoni Spot and the Cable Fix on the cable with the cable ties. Mount the PowerMoni Spot with a minimum distance of 10 cm from other cables, even further if it is thicker cables.

The PowerMoni Spot is now installed.

For hard cable mounting



3b. Make sure you have everything in the picture.

- (1) PowerMoni Spot, 1 pcs.
- (2) Cable ties, 4 pcs.



- 4b. Mount the PowerMoni Spot on the cable with the cable ties. Mount the PowerMoni Spot with a minimum distance of 10 cm from other cables, even further if it is thicker cables.

The PowerMoni Spot is now installed.

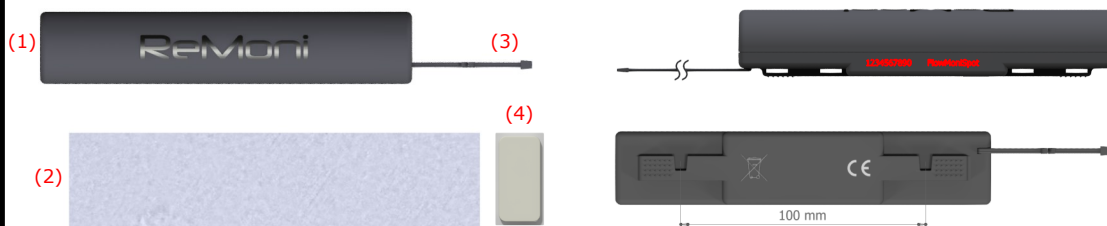
Please note - ReMoni recommend to install the ReMoni gateway before the PowerMoni Spot.

After connecting the PowerMoni Spot, it can take up to 60 minutes before the measured values are visible on ReMoni's online portal ReCalc.ReMoni.com.
Datasheets can be found on ReMoni's website: ReMoni.com.

Images are indicative and are subject to errors and changes.

Revised: April 2018

Installation of FlowMoni Spot



1. Make sure you have everything in the picture.

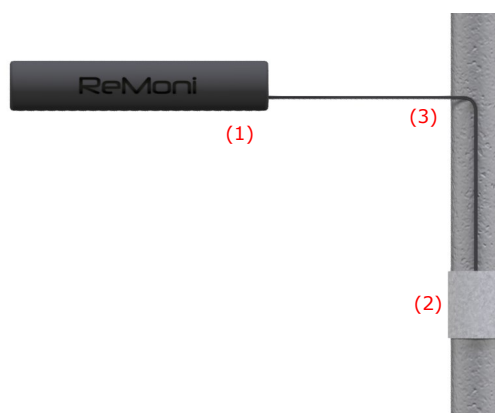
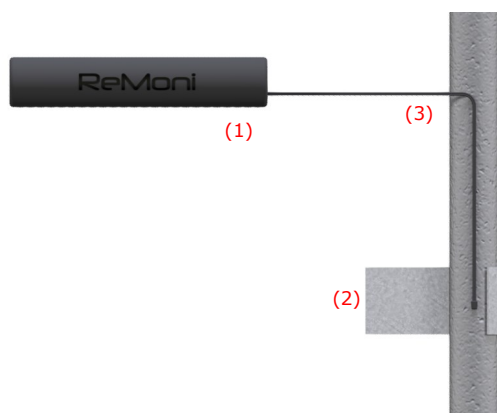
- (1) FlowMoni Spot, 1 pcs.
- (2) Alutape, 1 pcs.
- (3) Factory mounted probe, 1 pcs.
- (4) Adhesive pad, 1 pcs.

2. Locate the FlowMoni Spot ID on the unit.
(As seen in red above).

Log in to ReMoni's online portal:
ReCalc.ReMoni.com and register the unit.

The FlowMoni Spot can be mounted on the wall using the mounting holes, the distance is 100 mm (see picture). Alternatively, on a clean surface using the adhesive pad. Mount near the pipe in the same room as the probe.

Do not mount the FlowMoni Spot in direct sunlight or near external temperature sources. This ensures that the FlowMoni Spot has the same air temperature as the measured pipes.



3. Tape the probe to the uninsulated pipe to be measured.
The probe must be mounted, so that it is not affected by external temperatures:

- i. Mount it at least 25 cm from larger pipe braids so it's not influenced by the flow in other pipes.
- ii. Mount at least 25 cm from other temperature sources that can affect the sensor with heat or cold.

4. The FlowMoni Spot is now installed.

Note that it is possible to extend the probe by up to 10 meters.

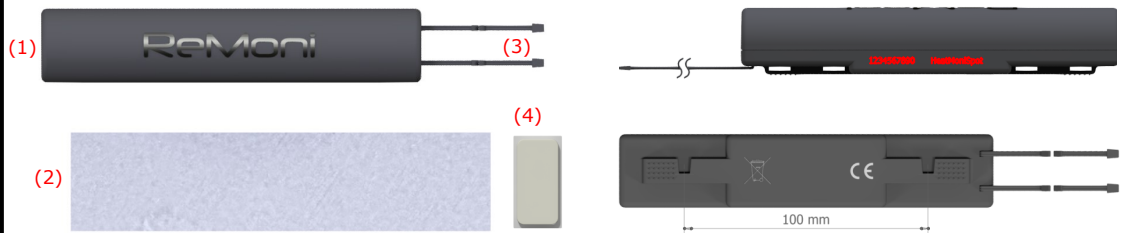
Please note - It is recommended to install the ReMoni gateway before the FlowMoni Spot.
For outdoor installation, turn the sensor with the probe downwards, to avoid water entering from above.

After connecting the FlowMoni Spot, it can take up to 60 minutes before the measured values are visible on ReMoni's online portal ReCalc.ReMoni.com.
Datasheets can be found on ReMoni's website: ReMoni.com.

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Revised: April 2018

Installation of HeatMoni Spot



1. Make sure you have everything in the picture.

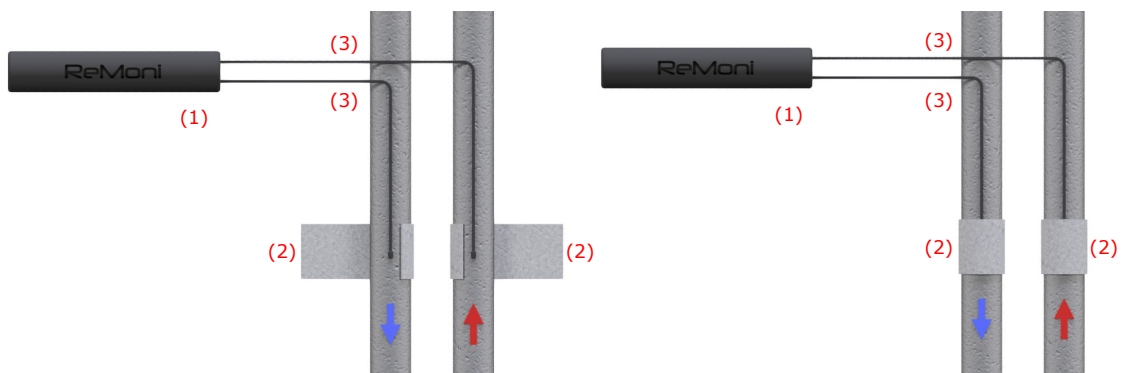
- (1) HeatMoni Spot, 1 pcs.
- (2) Alutape, 2 pcs.
- (3) Factory mounted probes, 2 pcs.
- (4) Adhesive pad, 1 pcs.

2. Locate the HeatMoni Spot ID on the unit.
(As seen in red above).

Log in to ReMoni's online portal:
ReCalc.ReMoni.com and register the unit.

The HeatMoni Spot can be mounted on the wall using the mounting holes, the distance is 100 mm (see picture). Alternatively, on a clean surface using the adhesive pad. Mount near the pipe in the same room as the probes.

Do not mount the HeatMoni Spot in direct sunlight or near external temperature sources. This ensures that the HeatMoni Spot has the same air temperature as the measured pipes.



3. Tape the probes to the uninsulated pipes to be measured. The probes must be mounted so that they are not affected by external temperatures:

- i. Mount at least 25 cm from larger pipe braids so they are not influenced by the flow in other pipes.
- ii. Mount at least 25 cm from other temperature sources that can affect the sensor with heat or cold.

4. The HeatMoni Spot is now installed.

Note that it is possible to extend the probes by up to 10 meters.

Please note - It is recommended to install the ReMoni gateway before the HeatMoni Spot. For outdoor installation, turn the sensor with the probes downwards, to avoid water entering from above.

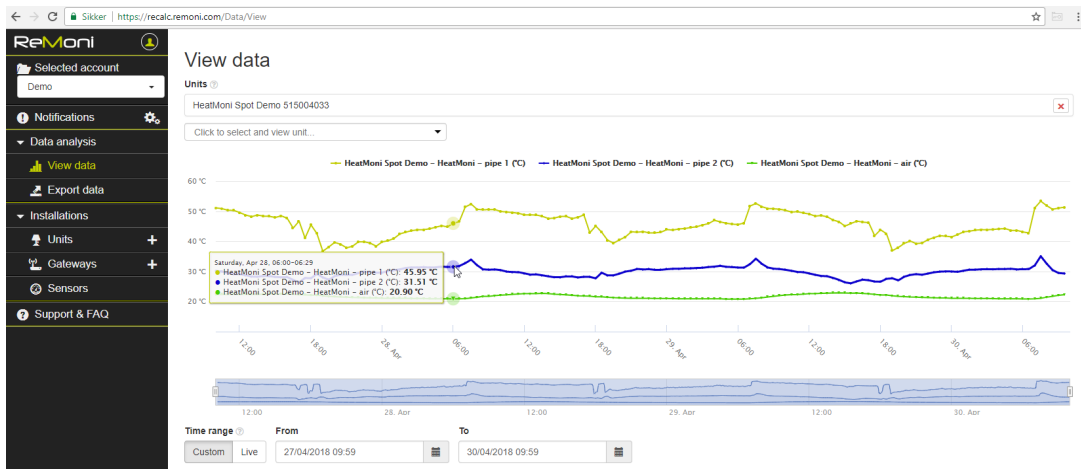
After connecting the HeatMoni Spot, it can take up to 60 minutes before the measured values are visible on ReMoni's online portal ReCalc.ReMoni.com. Datasheets can be found on ReMoni's website: ReMoni.com.

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ReCalc

At recalc.remoni.com there is access to all graphs and data from the sensors. You can setup new sensors and users. If data is needed for Excel, it is also from here you export data. In short, ReCalc is the all-in-one dashboard where everything that comes with the ReMoni solution can be controlled.



API

At ReMoni we believe that the most valuable data is data that can be used on different platforms and in different systems. That is why data from our sensors are not limited to be used in ReCalc only. With our open REST API you can utilize your data wherever they are most valuable for you.

See more at: api.remoni.com.

Patents

Our products are protected by the following patents: DK177857, DK 178037, PR 179198, AU2014256585, AU2014323761, JP6194410, JP6223549, BE2989427, CN ZL201480023188.X, CN ZL201480051812.7, DE2989427, ES2989427, FI2989427, FR2989427, GB2989427, IE2989427, IT2989427, NL2989427, NO2989427, PL2989427, PT2989427, SE2989427, SG11201508799V, SG11201602085Y.

ENG

Installation Manuals



Technical Support:

Tel. no.: 30 64 16 27

support@remoni.com