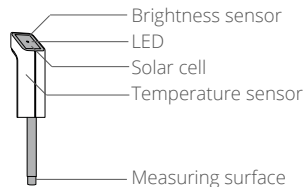




## Operating Instructions Sensor

### Overview



### Function

The sensor is part of the MIYO irrigation system. It measures soil moisture, temperature and brightness and sends the data to the cube wirelessly. Only one sensor can be used per irrigation area.

### Warnings

- !** Do not immerse the sensor in water.
- !** Do not position the sensor in a depression; this can result in too much water collecting around the sensor in the case of rain.
- !** Do not use force to open the sensor.
- !** Do not kick or hit the sensor—risk of breakage.
- !** Do not use force to insert the sensor in the soil (avoid resistance).

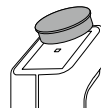
### Installation

#### Requirements

- Cube and valve are present and connected.
- MIYO app is installed.

#### Placing and connecting the sensor

1. Select the brightest possible spot in the area to be irrigated. The location must not be in a depression and should be a good reflection of the conditions of the area to be irrigated.
2. Dig a small hole at least 13 cm deep.
3. Hold the sensor in the hole so that the bottom edge of the white housing is at ground level.
  - !** The sensor only functions if the measuring surface has direct contact with the soil.
4. Carefully press some soil against the base of the sensor.
5. Open up the app.
6. Hold the magnet at the middle of the top edge of the solar cell of the sensor for 2-3 seconds. The LED on the unit starts flashing.



7. Add the sensor to the system in the app.
8. Further operation happens in the app.

### Maintenance

Clean the solar cells and housing using a damp cloth if necessary.

### Disabling before winter

1. Enable winter mode in the app for each irrigation area.
2. Carefully pull the sensor out of the soil.
3. Store the sensor in a dry place at -5 °C to 50 °C.

### Activation in spring

1. Exit winter mode in the app.
2. Exit winter mode on the sensor. To do so, hold the magnet at the middle of the top edge of the solar cell of the sensor for 1 second.
3. Select the location for the sensor and bury the sensor as described in the installation section.

### Reset

In order to reset the sensor to the factory default, hold the magnet at the middle of the top edge of the solar cell for at least 10 seconds.

### Troubleshooting

Magnet no longer available	• Use any commercially available whiteboard magnet
Sensor is not detected	• Reduce the distance to the cube • Unit or cube is in shade. Select a different location for the cube or sensor. • Put into direct sunlight for 30 minutes.
Sensor reports 0% soil moisture despite irrigation	• Press some soil against the entire measuring surface
Sensor battery is not charged	• Clean solar cell • Reposition the sensor and turn it toward the sun

### Customer service

You can find information on our customer service at [www.miyo.garden/service](http://www.miyo.garden/service)

### Technical data

Operating temperature	-5 °C to 50 °C
Storage temperature	-5 °C to 50 °C
Resistance to water	Splashproof
Measuring range of light sensor	1 - 10,000 lux
Measuring range of moisture sensor	0 - 100%
Wireless frequency	Europe: 863-870 MHz Outside Europe (excluding China): 915-921 MHz
Transmitting power	max. 25 mW
Range (open area)	350 m
Updates	Automatic, wireless

### Disposal



Do not dispose of old devices in household waste, but rather return them to a collection point.

We recommend checking whether the specifications listed in this publication are suitable for your intended technical solution. The application and use of our products take place outside of our potential for control and are therefore exclusively within your scope of responsibility. Therefore, in each case, our warranty refers to the consistent quality of our products corresponding to our specification. Should any liability claims arise, the value of any damages shall be limited to the value of the goods delivered by us and used by you. In the interest of continuous production improvement, we reserve the right to make changes to design and production.