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**ax-caeli**

Outdoor air temperature and humidity sensor



# Specifications



## Description

The ax-caeli is an outdoor and indoor air temperature and air humidity sensor with LoRaWAN wireless technology. It measures temperatures between  $-40^{\circ}\text{C}$  and  $125^{\circ}\text{C}$  and can be used for building automation, greenhouses, weather stations, air humidity monitoring or cooling chain supervision. The ax-caeli has a battery life span of over a year.

### Measurement Range

$-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  (operating temperature depends on batteries used, typically  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  for alkaline batteries)  
0%-100% RH

### Tolerance

$\pm 0.2^{\circ}\text{C}$ ,  $\pm 2\%$  RH

### Measurement Intervals

1s – 12h

### Sending Interval

10min – 12h

### Communications

LoRaWAN 1.02

### Batteries

2 cells AA alkaline battery or rechargeable NiMH batteries (external power supply on request)

### Battery Lifespan

Depending on radio reception, measurement and sending interval. With good reception and an average measurement rate of 10min the battery lasts more than 2 years. Contact us for estimations based on your individual use case.

### Available Versions

Indoor and outdoor versions available. Casing box can be adjusted on request regarding material, colour and suspension facility.

### Price and Information

CHF 129.- (single sensor, indoor version)  
Quantity discounts available. Contact us for further information or for a testing-sample. More information: [www.adnexo.ch/hardware/ax-caeli](http://www.adnexo.ch/hardware/ax-caeli).

### Product Series

The ax-caeli is part of the ax-series. The series includes the ax-dist (distance measurement), ax-caeli (air temperature and humidity measurement), ax-aeria (air quality sensor) and ax-tracker (tracking). All adnexo ax-sensors can be configured over LoRaWAN downlinks. All APIs and message formats are laid open. Therefore, the sensors can be integrated in any software solution.

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