

# Canique Climat Datasheet

## document revision 1.0

This datasheet applies to Canique Climat hardware revisions: 0.6.x, 1.0.x, 1.2.x

### Power consumption in sleep

All specifications are provided for an ambient temperature of 25°C unless noted otherwise.

Battery Voltage	Quiescent Current
1.5V	1.87μA
1.25V	2.25μA
1.0V	2.83μA
0.8V	3.55μA

## Specs

Required battery:	1x AA size
Minimum battery voltage to startup:	1V
Minimum battery voltage to operate:	0.8V
Max. supported battery voltage:	1.8V
Temperature range (except for battery):	-40°C to 85°C
Humidity range:	0% to 100%
Resolution temperature:	0.01°C
Resolution relative humidity:	0.01 percent points
Modulation	FSK
Min./Max. transmission power:	-18 dBm / +13 dBm
Transmission speed:	25 kbps
Microprocessor	Cortex-M0+
Transmission Interval	30 seconds
PCB size:	82 x 25 mm
Drill hole size for screws:	M2

# Accuracy

All specifications are provided for an ambient temperature of 25°C unless noted otherwise.

Temperature Range	Temperature Accuracy
0 to 60°C	± 0.2°C
80°C	± 0.3°C
-20°C	± 0.4°C
-40°C	± 0.6°C

Relative Humidity Range	Relative Humidity Accuracy
30 to 70% RH	± 1.8 percent points
10 to 20% RH 80 to 90% RH	± 2 percent points
0% RH 100% RH	± 3 percent points