

Technical Sheet

Model C Beehive Capturs

- GPS
- Sigfox / UnaBiz LPWAN network
- Suitable for standard beehive frames
- 3-axis accelerometer
- Up to 3 years battery life
- 1 position / 10 minutes
- Motion detection (theft)
- Replaceable battery
- Web / mobile platform



GPS tracker Model C Beehive

Use cases

Tracking beehives in the event of theft. Can also be used in the same way as the standard Model C.

For additional information
To request a quote
To request an appointment

Contact us now
contact@capturs.com
www.capturs.com

Connectivity

Network

LPWAN Sigfox / UnaBiz (without SIM card)

ISM band radio frequency - 868 MHz - Sigfox Class 0u certified - Maximum radiation value measured (ERP) 14.50 dBm

Countries included in the Sigfox / Unabiz subscription:

Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Spain, United Kingdom, Serbia, Slovakia, Slovenia, Sweden, Switzerland, United Kingdom, French Guiana, French Polynesia, Guadeloupe, Martinique, Mayotte, New Caledonia, Reunion Island, South Africa, Botswana, Kenya, Mauritius, Nigeria, Oman, Senegal, Swaziland, United Arab Emirates

Geolocation

GNSS

u-blox All-in-One GNSS receiver for GPS

Ground accuracy: < 6m

Motion detection using a 3-axis accelerometer.

Certifications

CE, RoHS, WEEE, Sigfox ready

Hardware interface

- GNSS antenna: internal only
- Sigfox antenna: internal only
- LED indicators: internal only

Default configuration

1 position / 10 minutes - 3 minutes accuracy

The GPS tracker sends a position every 10 minutes (trajectory accuracy of approx. 1 point every 3 minutes). In standby mode, it sends one position per day. If you'd like to space the positions further apart, please contact us to set this up before shipping (remote settings not available on this model).

General specifications

Dimensions

87 × 57 × 24mm

Sensors

3-axis accelerometer

GPS

Temperature sensor

Suitable for beehives

Non-invasive

Installation in 25mm frames

Weight

60g

Operating temperatures

-40°C ~ +50°C

Battery

Replaceable CR123A lithium battery
(non-rechargeable)

Alerts

SMS

Email

Battery life

Use	Average battery life
stopped (standby mode)	3,5 years
On the move 1h / day	1,5 year
On the move 3h / day	6 months
On the move 6h / day	3,5 months

Battery life is provided for reference only and may vary according to use, environmental conditions and connectivity.

Options

- Configure batch alerts from a CSV file

User interface

Synchronisation

Data automatically recorded with the Capturs cloud.

Export format

.GPX
.CSV
.PDF

Alerts

Zone entry, zone exit, absence, movement, immobility, inactivity, low battery

API

Use the raw data sent by the Capturs GPS tracker on a third-party system (ERP, mapping system, CRM, etc.) using the Capturs API.

Web / mobile interface

Web platform <https://connect.capturs-systems.com/>

Free Capturs application available on App Store (iOS) and Google Play (Android)

Installation recommendations and optimisation

Positioning in the Beehive

For optimum performance, place the Capturs Model C Beehive with the antenna facing upwards. The antenna corresponds to the position on the label.

Correct positioning of the tracker is essential for it to work properly. Place the tracker in the centre of one edge of the frame. Place the frame on one end in the hive.

We strongly advise against placing the tracker in, or in the direct vicinity of, the hive's temperature control frames where aluminium or other metal foil is present.

Environment

Do not place the GPS tracker where it could be obstructed by metal or carbon fibre walls, as these could interfere with or block the radio frequency signals.

If your equipment is used in harsh conditions, the GPS tracker can be installed in a protected area, but never under metal or carbon fibre.

Make sure that the surface on which the GPS tracker is installed is flat and clean to ensure a solid and durable fixing.

Avoid installing the GPS tracker on parts that are often subject to shock or vibration.

Do not place the GPS tracker where it could accumulate a lot of water.

Positioning (outside the hive)

To ensure excellent network coverage, position the GPS tracker at the highest point on the equipment.

It is important that the GPS tracker has a clear view of the sky.

The GPS tracker must be installed in a vertical position. If it is not possible to install the GPS tracker vertically, avoid installing it upside down.