

# BCL

Data collector

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ioLiving BCL data collector device is designed for monitoring the blast chilling event temperature. Blast chilling is a method of cooling food quickly to a low temperature that is safe from bacterial growth. After the blast chilling the food or half-finished food is safe for storage and later consumption.

Measurement range:	0 °C ... +90 °C
Measurement accuracy:	± 0.2 °C
Resolution:	0.1 °C

Works with two interchangeable AA Lithium batteries.  
The battery life is about 5 months if the device is switched on all the time. It is recommended to turn off the device when not in use.



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## USING THE IOLIVING BCL DATA COLLECTOR DEVICE

### The purpose of use

- BCL is designed to be used in following situations:
- Monitoring the temperature profile of the blast chilling event
- Monitoring the result of the blast chilling event
- Storing the blast chilling data in the ioLiving cloud service

### Preconditions

1. Usage of the BCL requires a purchase and activation of ioLiving license.
2. Activate the device on your ioLiving account.
3. Create the blast chilling groups and objects and set blast chilling temperature limits in your ioLiving account. The higher limit defines the temperature which must be exceeded to start the blast chilling measurement. The lower limit defines the temperature which must be reached during the blast chilling event in a given time limit. Set the time limit for blast chilling event as well.

### Making the blast chilling measurement

1. Turn on the device.
2. Sign in to your ioLiving account.
3. Place the measurement pin in the food to be blast chilled. When the pin temperature reaches the higher limit set on the ioLiving account, blast chilling temperature monitoring starts automatically.
4. When the blast chilling measurement has started in the service, select the correct BC group, object and a person who is making the measurement.

### How the measurement appears in the service

Figure 1.  
Ongoing blast chilling event is marked with blue color in the service.

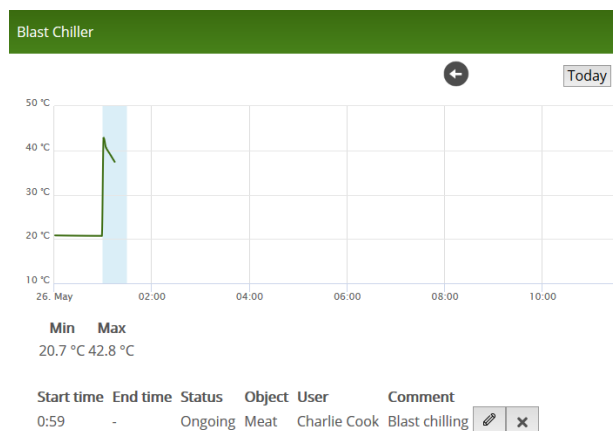


Figure 2.  
The Successful  
blast chilling  
event is marked  
with green color.

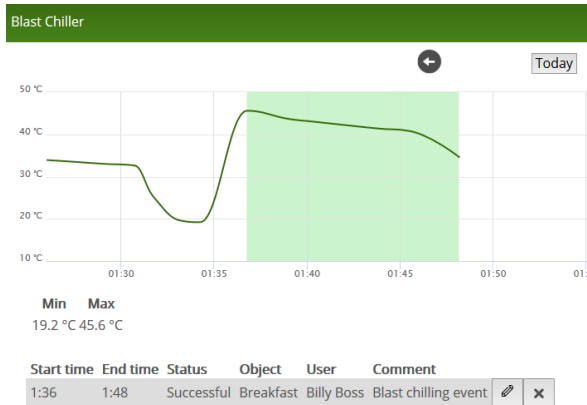
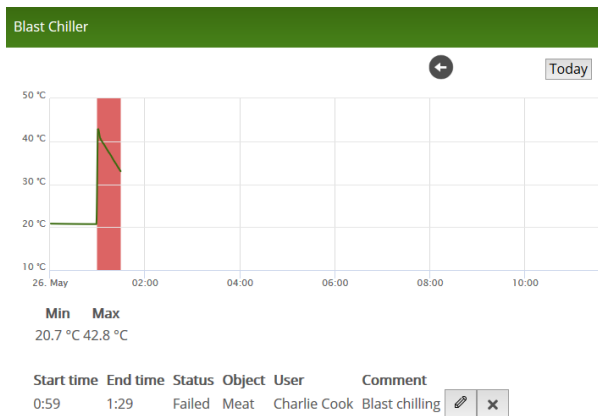


Figure 3.  
Failed blast  
chilling event is  
marked with red  
color.



5. The temperature profile and the result of the blast chilling event are stored in the ioLiving cloud service.
6. After the measurement, remove the pin from the food and clean it properly.
7. Turn off the device.

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