

Controlant Saga™ Logger Box with adhesive tape

v1.1

User guide

Saga™ Logger Box datasheet

General information	
Product name	Controlant Saga™ Logger Box w/ adhesive tape
Logger compatibility	Saga™, Saga-P
Name and location of the manufacturer and importer	Controlant hf. Holtasmári 1, 201 Kópavogur, Iceland
Contact information	Email: support@controlant.com Phone: +354 517 0630 Website: www.controlant.com
First year of manufacture	2023

Box	
Material	N-flute corrugated board (white)
Material thickness	0.9mm 0.035in
Dimensions assembled	100mm x 64mm x 29 mm 3.94in x 2.52in x 1.14in
Dimensions flat	129mm x 153mm 5.08in x 6.02in
Weight (with adhesive)	12.8g 0.45oz

Adhesive tape	
Material	Double-coated acrylic foam tape (white) with (red) PE film liner
Material thickness	1.1mm 0.043in
Application temperature	Minimum: 0 °C (32 °F) Ideal: 21°C to 38°C (50°F to 100°F)
Suitable attachment surfaces	Various high, medium, and low surface energy materials



HANDLING INSTRUCTIONS

- Handle the Logger Boxes in a clean, dry, and well-lit area, avoiding excessive dust and humidity that may harm their functionality.
- Ensure your hands are clean and dry when handling the Logger Boxes to prevent the transfer of dirt, oils, or moisture.
- When the Logger Boxes are not in use, store them in a safe location away from physical damage, extreme low or high temperatures, and excessive humidity.
- Always store the Logger Boxes in the ideal application temperature (21°C–38°C / 50°F–100°F) for optimal application performance.

Product images¹



Logger Box: Empty, shown from the front (left), and with a Saga-P logger, shown from the back (right).

¹Photos in this publication were taken by Baskerville NV.

Compatibility

This product is compatible with the following Controlant devices:

- Saga™
- Saga-P

For the best logger performance, we strongly recommend using the Logger Box only with the compatible devices listed above. Using the Logger Box with devices not specified as compatible may result in unintended loss of functionality, reduced performance, or incompatibility issues.

Temperature response time

The Logger Box features cut-outs around where the loggers' display, barcode, and USB cable are located. The primary temperature sensor of the Saga™ loggers is embedded in the USB cable head. The cut-out around the USB cable ensures that it remains exposed to ambient conditions. The box, thereby, does not affect temperature accuracy.

However, the box may inhibit the flow of air from certain directions and, as a result, can increase the time it takes for the logger's temperature sensor to react to changes in temperature. The temperature response time (t_{90}) — defined as the time needed for the logger to yield a temperature reading corresponding to 90% of an induced 20°C temperature change — increases on average by 3 minutes when in a Logger Box.



IMPORTANT

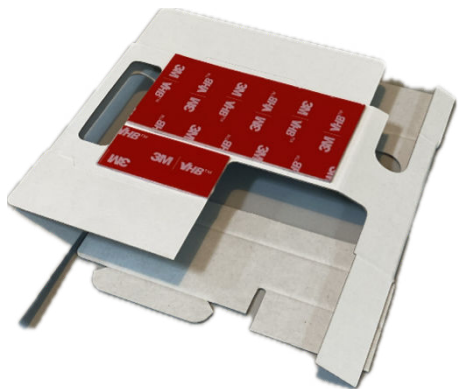
Please consider the increased temperature response time when setting up the ignore period for your shipment. We recommend adding 10 minutes to your current setting when using the Logger Box.

The primary temperature sensor of the Saga-P loggers is embedded in the probe. Therefore, the box does not affect the temperature response time of the Saga-P logger.

Assembly guide

Follow these instructions to prepare the box for use.

1. To start, pop the box open and put it on a clean, flat surface. You will see two open sides: one has three flaps, and the other has four flaps. Position the box with the back (adhesive) panel facing up and the opening with the four flaps towards you.



2. Fold in the side flaps on the opening closer to you.
3. Fold down the large flap of the back panel. Notice the cutout appearing on the edge of the back panel.



4. While keeping the side flap in place, fold up the large flap of the front panel while tucking the ridge into the cutout.
5. Finish folding this side by folding the strengthening flap toward the center of the box.
6. Open up the three flaps on the other side and slide in the logger. The barcode on the back of the logger should align with the cutout on the back of the box.



7. Fold the side flaps inward, then close the box by folding the lid and tucking the last flap in.



8. Check the logger alignment: the USB connector, the display, the start and stop buttons, and the barcode should be visible in the folded box. Note how

the probe connector of the Saga-P logger slides into the oval cutout. Placing a Saga™ logger into the box leaves the oval cutout empty.

Guidelines for secure attachment and orientation

- Ensure that the attachment surface is flat, clean, and dry.
- When picking an attachment point for the Logger Box, consider accessibility, height, and (if applicable) probe placement. The orientation of the logger box does not affect its functionality.
- When using a Saga-P logger, make sure to place the Logger Box in a position that allows for [safe handling of the probe](#).
- Do not touch the adhesive surface while peeling the protective backing off of the adhesive tape.
- For best results, make sure that the ambient temperature is within the ideal application temperature range (21°C–38°C / 50°F–100°F) when attaching the Logger Box to the attachment surface.
- Press the box firmly against the attachment surface.
- Gently test the attachment to ensure it's secure. If it feels loose, press firmly again.

Removal and disposal of used boxes

The Logger Box is intended to be used one time only.

At the end of the shipment:

- Carefully remove the Logger Box from the attachment surface.
- Take the logger out of the Logger Box. Pay special attention to [the probe of the Saga-P logger](#).

- Dispose of the used Logger Box by adhering to local waste disposal regulations.



CONTACT US

If you have any questions, encounter issues, or need further assistance, don't hesitate to reach out to us.

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