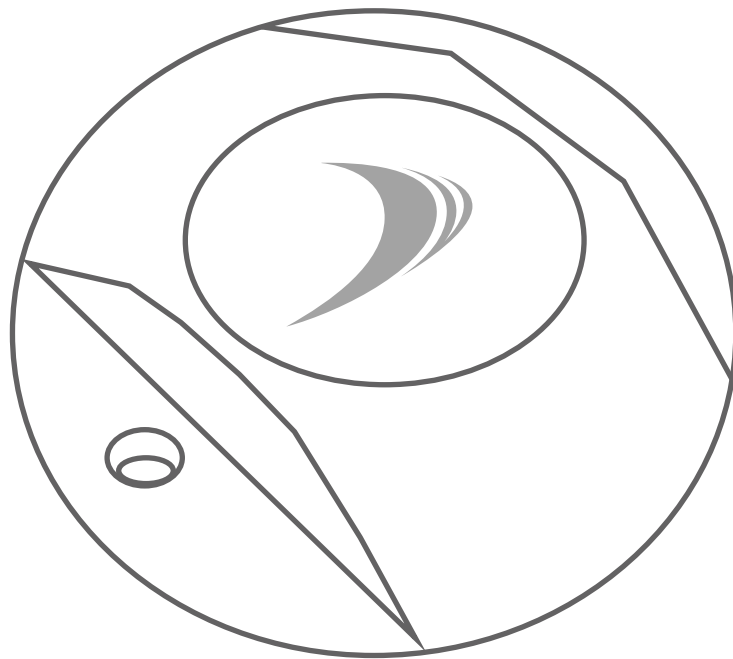




Dynalogistics

MANUAL - WEB PLATFORM

Data Logger Bluetooth Low Energy

Table of Contents

1	Introduction	05
2	Screens	06
2.1	Login	06
2.2	Menu	07
2.3	Trips	07
2.4	Analytics	11
2.5	Thresholds	12



Frequency range: 2.400,0 MHz to 2.483,5 MHz

Max RF output power: <20 dBm

Hereby, Dynamox Solucoes Criativas Ltda. declares that the radio equipment type DynaLogistics is in compliance with Directive 2014/53/EU.

FCC ID 2AT3M010105

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Important: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

EU DECLARATION OF CONFORMITY

Radio Equipment

Product: Data Logger
Type: DynaLogistics
Batch/serial number: Ta

Manufacturer

Name: Dynamox
Rod. SC-401, KM 01
Adress: Parque Tecnológico
Alfa, Ed. Celta
Florianópolis - SC
Country: Brasil

This declaration of conformity is issued under the sole responsibility of the manufacturer:

Object of the declaration: *A data logger with Bluetooth® technology that stores temperature and humidity data in its internal memory.*



The object of the declaration described above is in conformity with the following relevant Union harmonisation legislation(s):

Radio Equipment Directive (RED) 2014/53/EU

Conformity to the essential requirements of the legislation(s) have been demonstrated by using the following standards:

Health and Safety (Art. 3(1)(a)): EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013

EMC (Art. 3(1)(b)): EN 301 489-1 V2.2.1
EN 301 489-17 V3.2.0
EN 62479:2010

Spectrum (Art. 3(2)): EN 300 328 V2.1.1 (2016-11)

Signed for and on behalf of *Dynamox Soluções Criativas Ltda.*

Place and date of issue: *Florianópolis, Basil, 01 november 2019*

Signature:

Name, function:

Alexandre Ferreira,
CTO

1. Introduction

This document offers guidance on operating DynaLogistics Web Platform, whose function is to make available the data acquired by the Dynallogger App and to facilitate its interpretation.

Dynallogger is a data logger with Bluetooth® technology that stores temperature and humidity data in its internal memory. The collected information can be accessed via DynaLogistics App or DynaLogistics Web.

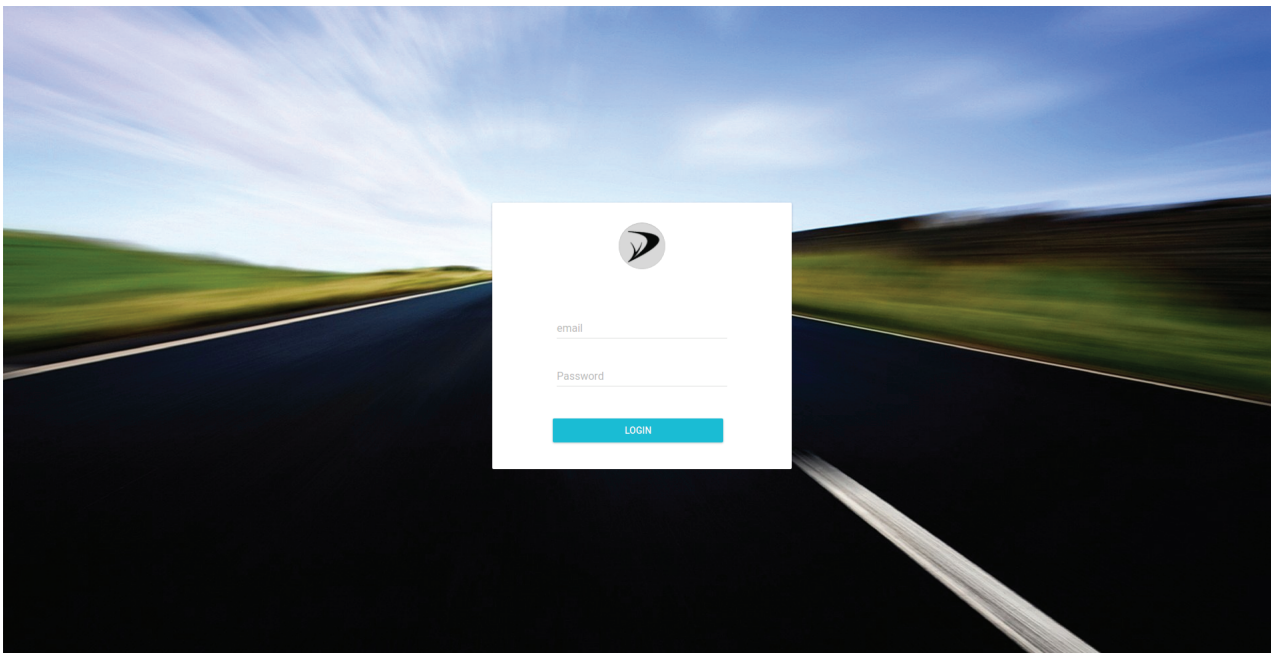
2. Screens

The following sections describe in detail the screens and features of the DynaLogistics Web Platform.

2.1 Login

The web platform can be accessed by clicking on the following URL <https://live.dynamox.solutions/logistic/>.

Initially, the login screen, shown in the figure below, will be displayed. You have to enter your access data and click on 'LOGIN' or press 'ENTER' to access the platform.



2.2 Menu

The menu, shown in the following image, can be accessed at any time after user login. From there, it is possible to access the options described below:

- Trips: displays the home screen, showing all trips created, started, and ended;
- Analytics: displays a series of analysis with charts and statistical data;
- Thresholds: takes the user to a screen that allows the setting of operation thresholds. These thresholds will be displayed on the graphs and, if exceeded, an LED alert will blink on the Dynalogger.



2.3 Trips

A list of all trips synchronized through the App is displayed in the home screen. By selecting one, a new screen with detailed information is exhibited, as shown on the next page.

On the left side of the screen, there is a timeline of the trip with the main events that occurred during the transportation and storage of the items. There are six icons to illustrate the events:



It shows the address where the trip was started;



It indicates that the trip was started and it shows when it happened and which user was responsible for it;



Measurements were collected through the App and sent to the Web. All of them are within the thresholds defined by the user.



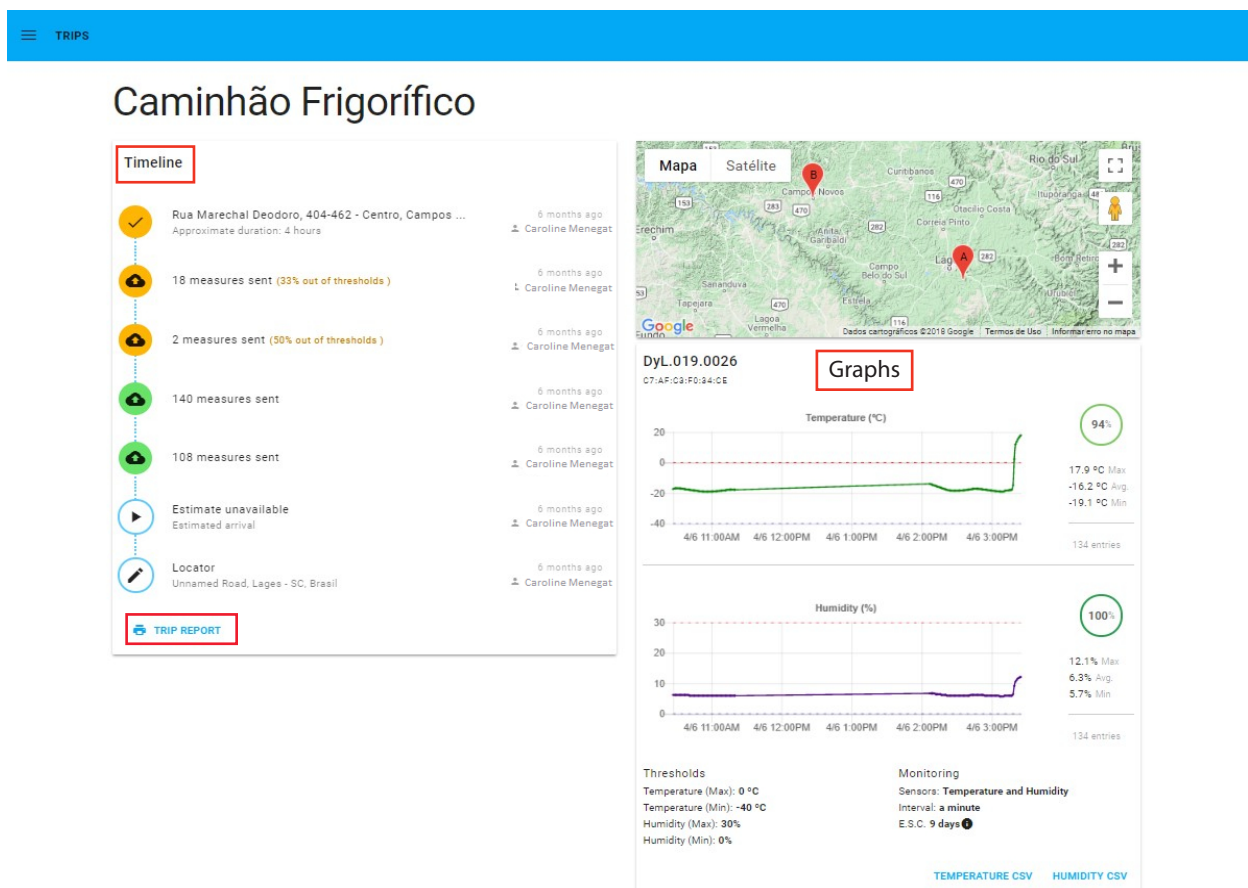
Measurements were collected through the App and sent to the Web Platform. Some of them are out of the thresholds and this percentage is shown next to the number of measurements sent.



Measurements were collected and sent to the Web Platform and all of them are out of the thresholds defined by the user.

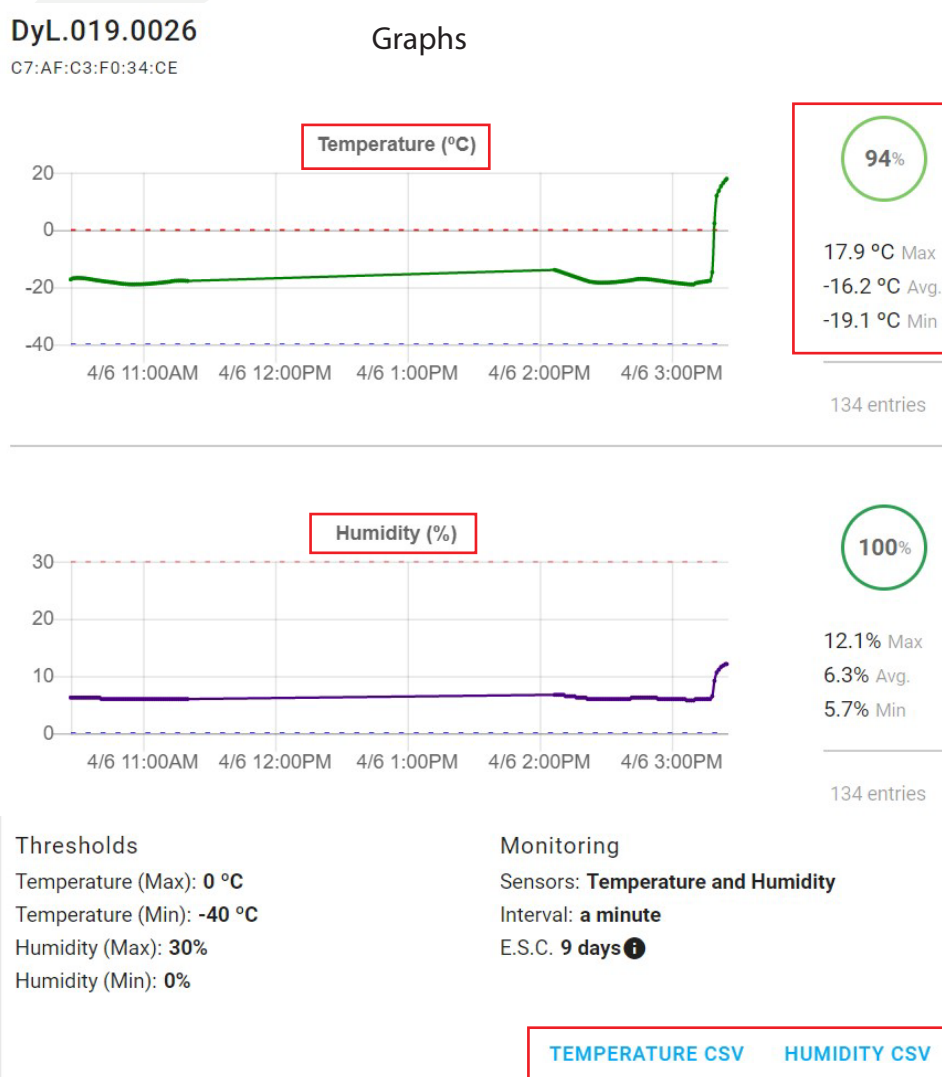


It indicates that the trip was ended and it shows when it happened and which user was responsible for it.



Note that every event points out when it happened and who was the user responsible for it. This can be helpful in case the company has multiple users and wants to know who did what.

On the right side of the screen there is a map showing the trip route and below it there are two graphs, the first one with temperature measurements and the second one with humidity values.



Beside the graphs, there are some details of the measurements, such as: maximum and minimum values, average and percentage of measurements within the thresholds.

At the bottom of the screen, there is an option to download a CSV file with a history of temperature and humidity measurements.

Furthermore, by clicking on the button “TRIP REPORT” below the timeline you can download a complete report, with details from the creation to the end of the trip.

Trip Report

Caminhão Frigorífico - DyL.019.0026

Details

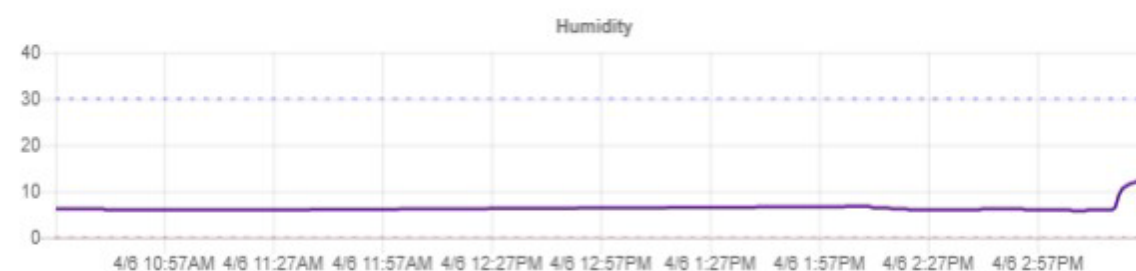
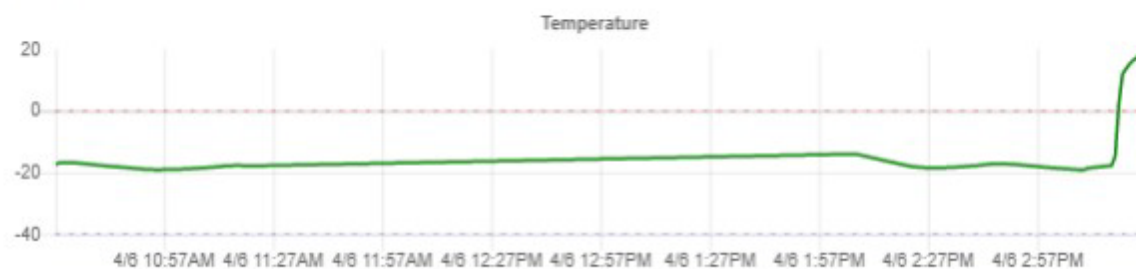
Trip state	Ended
Origin	Unnamed Road, Lages - SC, Brasil
Destiny	Rua Marechal Deodoro, 404-462 - Centro, Campos Novos - SC, 89620-000, Brasil
Start date	Friday, April 6, 2018 10:27 AM
Last update	Friday, April 6, 2018 3:25 PM
Closing date	Friday, April 6, 2018 3:25 PM
Temp. threshold	-40 °C - 0 °C
Hum. threshold	0% - 30%
Sampling rate	1 minutes
Active sensors	Temperature and Humidity

Stats

Duration time	4 hours, 57 minutes
Número of cycles	4
Qty. of measures	268 points

Metric	Min	Avg.	Max	Qty. of measures	Qty. outside the thresholds
Temperature	-19.08 °C	-16.17 °C	17.85 °C	134 points	7 points
Humidity	5.72%	6.33%	12.07%	134 points	0 points

Chart



2.4 Analytics

This screen presents a series of analysis of the data collected by the user from multiple trips.

It is possible to view the number of finished trips, the percentage of conformity for each month, the average temperature (or humidity) in a specific period, among other options.

Conformity



2.5 Thresholds

On this screen you can set the temperature and humidity thresholds for each trip.

Threshold Settings

Temperature

Max25 °C

Min-20 °C

Humidity

Max60%

Min10%

[SAVE](#)[RESET](#)



Dynamox - Exception Management
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