

Scope of delivery

1 amlog, 1 micro USB data cable (1 meter), 1 car charging adapter 12V

Main features

Data collected by amlog:

- humidity and temperature
- light on / off
- 3D-acceleration, vibration and shock
- GSM positioning data

The current device status is indicated by the Status LED

- Short green flashing: battery charging
- Long green flashing: battery fully charged
- Lights green: device is being switched on
- Flashes green every 4s: status ok
- Flashes blue: connecting to server
- Flashes red: data transfer failed
- Lights red: device is being switched off



First steps

- For charging connect the data cable to the USB port and to the USB interface of your PC
- Charging is also possible with the car adapter provided
- Please charge the device for 6 hours before first use
- The average battery life is approx. 7 days
- To switch the device on press the power button until the Status LED lights green
- To switch the device off press the power button until the Status LED lights red



Please note

- Always keep the sensor side of the device up
- The device should not be exposed to water or other liquids



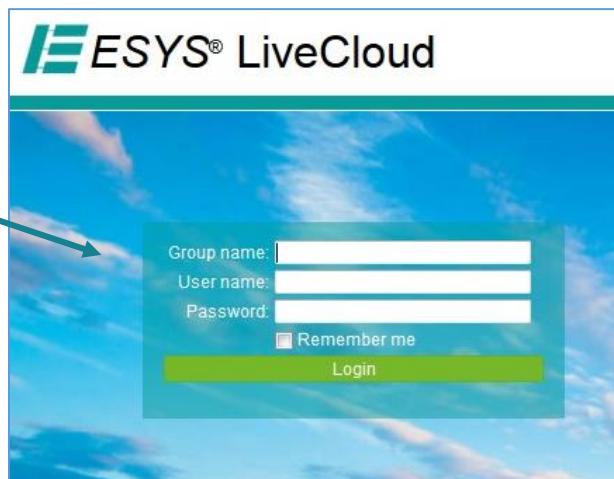
Web portal

- Open <http://log.esys.eu> in your web browser
- Please use the following login credentials

Group name:

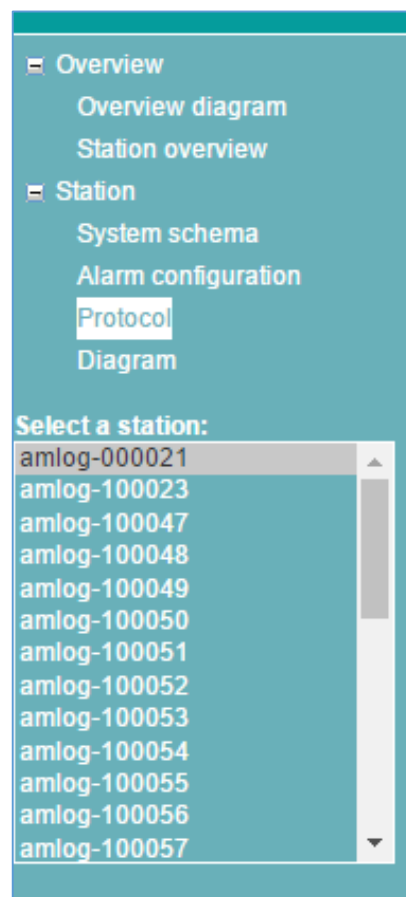
User name:

Password:

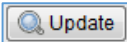



First steps

- After logging in select a station from the list of devices
- Choose a data view:
The collected data can be displayed in the Protocol or Diagram view
- Set individual email alerts under Alarm configuration



Protocol view

- Select date and time of the data you would like to view and press  (the current day is set by default)
- To export the measured values in CSV file format press the button 
- The position of a device can be displayed in Google Maps by clicking the corresponding link

Overview

Overview diagram

Station overview

Station

System schema

Alarm configuration

Protocol



Diagram

Select a station:

amlog-000021
amlog-100023
amlog-100047
amlog-100048
amlog-100049
amlog-100050
amlog-100051
amlog-100052
amlog-100053
amlog-100054
amlog-100055
amlog-100056
amlog-100057

Measurement protocol of station "amlog-000021"

from: 01/01/2016 00:00 to: 03/31/2016 23:59

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date/time	temperature[°C]	relative humidity[%]	light[l1=H/0=D]	max acc.[g]	battery[%]	Position
3/20/2016 4:40:00 PM	22.25	36.1	0	1	87	amlog-000021-en
3/20/2016 4:30:00 PM	22.32	35.8	0	1	87	amlog-000021-en
3/20/2016 4:29:10 PM	22.32	36.1	0	15.2	87	amlog-000021-en
3/20/2016 4:20:00 PM	22.14	36	1	1	87	amlog-000021-en
3/20/2016 4:10:00 PM	21.74	36.2	1	1	87	amlog-000021-en
3/20/2016 4:00:00 PM	22.06	35.5	0	1	87	amlog-000021-en
3/20/2016 3:50:00 PM	22.77	34.3	0	1	87	amlog-000021-en
3/20/2016 3:49:00 PM	22.85	34.9	0	16.3	87	amlog-000021-en
3/20/2016 3:40:00 PM	22.87	34.4	1	1	87	amlog-000021-en
3/20/2016 3:30:00 PM	22.9	34.3	1	1	87	amlog-000021-en
3/20/2016 3:20:00 PM	22.92	34.2	1	1	87	amlog-000021-en
3/20/2016 3:10:00 PM	22.92	34.2	1	1	87	amlog-000021-en
3/20/2016 3:00:00 PM	22.98	33.9	1	1	87	amlog-000021-en
3/20/2016 2:50:00 PM	22.87	34.2	1	1	87	amlog-000021-en
3/20/2016 2:40:00 PM	22.75	34.5	0	1	87	amlog-000021-en
3/20/2016 2:33:00 PM	23.68	33.3	0	14.8	87	amlog-000021-en
3/20/2016 2:30:00 PM	23.7	33.1	1	1	87	amlog-000021-en
3/20/2016 2:20:00 PM	24.15	33.4	1	6.8	87	amlog-000021-en
3/20/2016 2:10:00 PM	24.9	32.4	1	1	87	amlog-000021-en
3/20/2016 2:08:28 PM	24.99	33.3	0	10.2	87	amlog-000021-en
3/20/2016 2:08:01 PM	25.01	33.8	0	12.6	87	amlog-000021-en

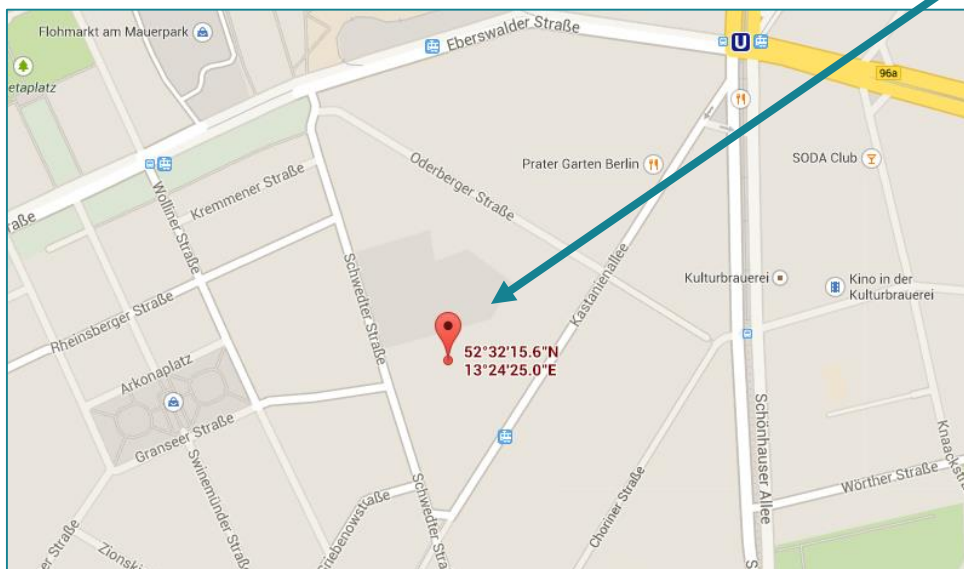
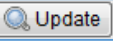



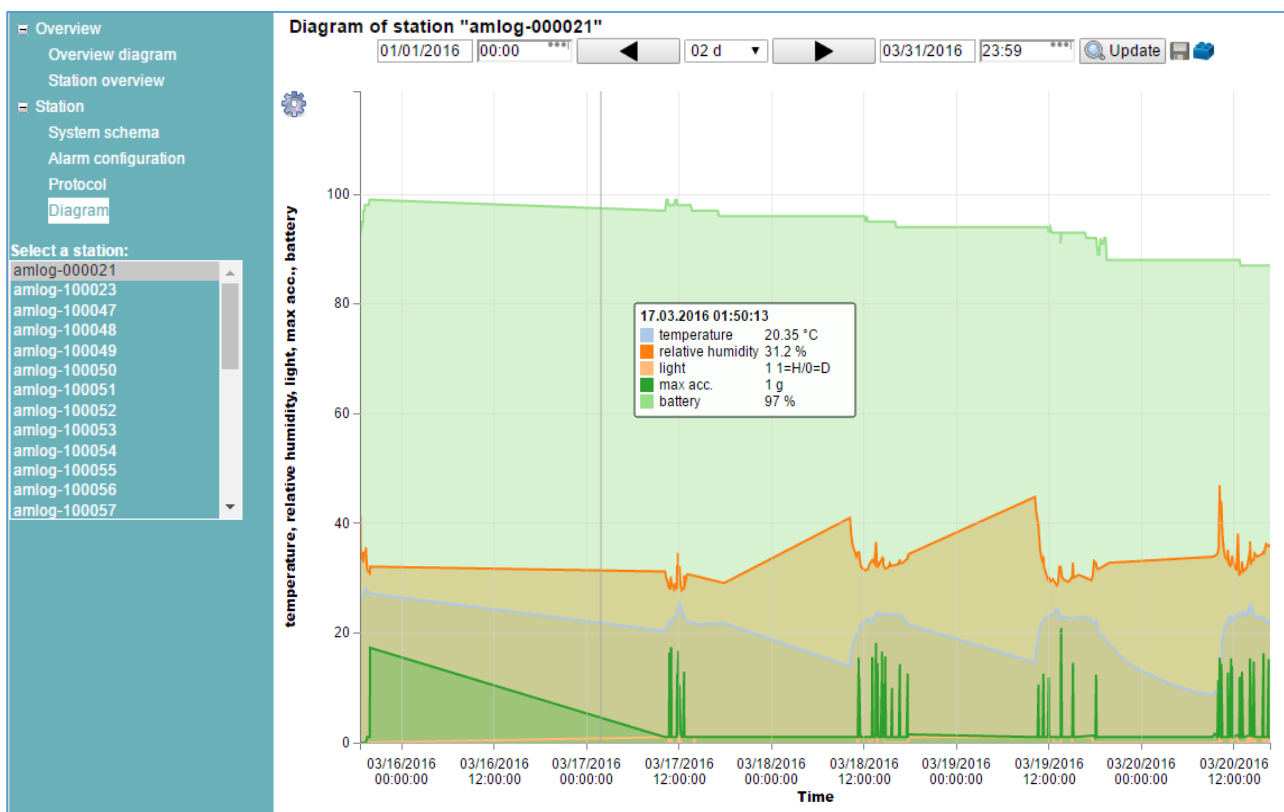


Diagram view

- Select date and time of the data you would like to view and press  (the current day is set by default)
- To export the current view in PNG file format press 
- By pressing  each measurement curve can be enabled or disabled
- These settings can be saved with the  button



Alarm configuration

Here you can set individual email alerts following these steps:

1. Fill in name and email address of the person to contact
2. Mark the field „active“ to activate the alarm
3. Select a measurement value and an operator
4. Enter a threshold to trigger the email alarm
5. Fill in the notification that is going to be sent (e.g. charge battery!)

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amlog-100054
amlog-100055
amlog-100056
amlog-100057

Alarm configuration of station amlog-000021

receiver:

Page 1 of 1

Rows: 30

total: 0

receiver name	contact (email)	active	measurement	operator	threshold	station name	notification
<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<div> B Ch 03 (U-Batterie) B Ch 01 (Temperatur) B Ch 02 (rel. Feuchte) B Ch 03 (U-Batterie) B Ch 04 (QM-Beschleunigung) B Ch 05 (Lat) B Ch 06 (Lon) B Ch 07 (GPS-Status(Bitfeld)) B Ch 08 (Lichtsignal) B Ch 09 (min. Beschleunigung) B Ch 10 (max. Beschleunigung) diff 1 diff 2 diff 3 diff 4 diff 5 diff 6 diff 7 diff 8 diff 9 diff 10 </div>	<	<input type="text"/>		<input type="text"/>

Technical specifications

Sensors	Temperature, Humidity, Light, Shock
Temperature range	0...+50 °C
Measurement range	Temperature: 0...+50°C Rel. Humidity: 20...80% Shock: ± 25g (quadratic mean xyz-axis) Light: On/Off
Accuracy	Temperature: ± 0.5°C Rel. Humidity: ± 3% Shock: ± 1%
Resolution	Temperature: 0.1°C Rel. Humidity: 0.1 % Shock: 0.1g
Time accuracy	Synchronisation with web server (minimum every 24 hours)
Measuring interval	Adjustable (1min...24h)
Dimensions / weight	120 x 80 x 20 mm (length/width/height) / 160 g
Data points	Ca. 100.000
Alarm configuration	Programmable for temperature, humidity, shock & battery status
Light alarm	Adjustable for light/dark and dark/light changes
Alarm message	Instantly in the moment of an event
Casing / Protection class	ABS, self-extinguishing conforming to UL 94 V0 / IP40
Battery	Lithium-Polymer battery with 1800 mAh, certified to UN38.3

Disposal

Disposal of the data logger requires your help with the disposal to protect our environment and you must pay attention to the legal rules:

The normal disposal of old electronic devices is the legal obligation of manufacturer and customer equally. Electronic industry waste may not be disposed in the garbage can! These old devices may not be returned in public withdrawal systems but must be brought to the dealer or manufacturer directly. Traders and manufacturers accept the old devices free of charge to the disposal/recycling.

