ETag

Product Specification

Version 2 as of July 7th, 2025

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1. Label Family Introduction

The SESimagotag® electronic shelf label range features high-quality displays powered by replaceable batteries, eliminating the need for external power sources.

Label performance, such as update frequency, is dependent on the configuration of the access point.

ETag electronic shelf labels provide more than standard display functionality by enabling a direct communication interface with end users. The integrated electronic paper display supports automated content updates triggered by predefined scenarios, facilitating dynamic pricing and contextual information delivery.

1.1. General Key Features

In general, the following key features can be mentioned.

- Bluetooth Low Energy protocol standard
- Radio coverage: up to 30 meters
- Bi-directional communication
- 37 available communication channels and 3 advertisement channels
- Ultra-low power consumption
- Customer-replaceable battery (Depends on configuration)
- Full graphical e-Ink display with paper-like readability
- Different configurations available (theft protection, display protection, LED flash)
- Label versions for deep-freezing environments
- Super wide viewing angle (nearly 180 degrees)
- Flexible mounting options available
- May be used in landscape and portrait mode
- Fast response time (less than 7 seconds, depends on wakeup time)
- Asymmetric full end-to-end encryption based on hardware token
- Multiple pages support with preloading and fast page switching
- Integrated direct NFC

1.2. The SESimagotag® electronic shelf label family

The SESimagotag® ETag electronic shelf label family Bluetooth LE) can change all pixels to black, white, red or yellow. The current line-up has display sizes from 1.5 inch to 9.7 inch. They may be used in landscape and portrait mode and can be configured in terms of theft protection, display protection, NFC support and LED flash.

Caption	Model	Display Resolution	Density (dpi)	Display Colours	Useable Pages	Active Display Area (mm)
E300 1.5	EDB*-0150-#	200 x 200	186	b/w/r/y	4	26.9 × 26.9
E300 1.9	N/A	184 x 232	155	b/w/r/y	4	30.1 x 38
E300 2.1	EDB*-0210-#	248 × 128	135	b/w/r/y	4	46.6 x 23.8
E300 2.1 WP	EWB*-0210-#	248 × 128	135	b/w/r/y	4	46.6 x 23.8
E300 2.1 F	EFB*-0210-#	248 × 128	135	b/w	4	46.6 x 23.8
E300 2.6	EDB*-0260-#	296 × 152	123	b/w/r/y	4	60.1 x 30.7
E300 2.6 F	EFB*-0260-#	296 x 152	123	b/w	4	60.1 x 30.7
E300 2.6x	EDB*-0261-#	384 × 192	178	b/w/r/y	4	56.4 x 28.2
E300 2.6x F	EDB*-0261-#	384 × 192	178	b/w/r/y	4	56.4 x 28.2

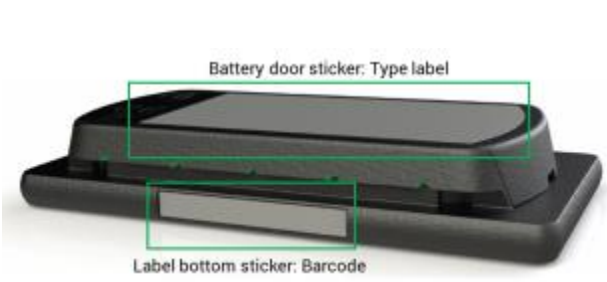
E300 2.7	EDB*-0270-#	264 x 176	117	b/w/r/y	4	57.3 x 38.2
E300 3.5x	N/A	456 x 232	155	b/w/r/y	4	61.6 x 38
E300 3.5w	EDB*-0352-A	480 x 176	148	b/w/r/y	4	82.6 x 30.3
E300 4.2	EDB*-0420-#	400 x 300	120	b/w/r/y	4	84.8 x 63.6
E300 4.2 WP	EWB*-0420-#	400 x 300	120	b/w/r/y	4	84.8 x 63.6
E300 4.5	EDB*-0450-#	480 x 176	117	b/w/r/y	4	104.2 x 38.2
E300 6.0	EDB*-0600-#	600 x 448	128	b/w/r/y	4	114.9 x 85.7
E700 7.3	EDB*-0730-#	480 x 800	127	b/w/r/y/b/g	4	95.4 x 159.4
E300 7.4	EDB*-0740-#	480 x 800	126	b/w/r/y	4	97 x 161.6
E300 9.7	EDB*-0970-#	960 x 672	121	b/w/r/y	4	201.60 x 141.12

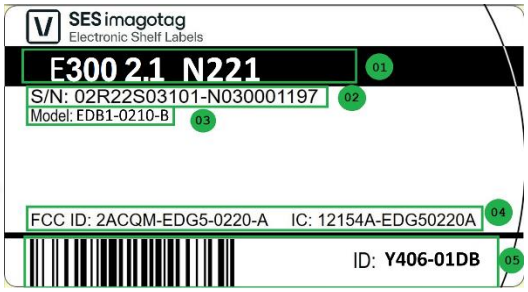
*Can be any number between 2 and 9 (the 1 marks legacy products using the R1.2 e-ink film and are not in scope of this documentation)

#can be any letter between A to Z

2. Type label information

The type information of the SESimagotag® electronic shelf label is engraved on the rear side of the device, specifically on the battery compartment cover. Additionally, a secondary label containing barcode information is positioned at the bottom of each unit.





The type engravement contains following information:

1. Product description including product configuration information (display size, display colour, radio type, theft protection)
2. Serial number (see *Serial Number* on page 6)
3. Model code (see *Barcode information* on page 5)
4. Information concerning standard and product compliance
5. Link ID shown as barcode and base 32 encoding

2.1. Barcode information

Each label is assigned a Link ID, a unique identifier comparable to a MAC address. This Link ID is presented as a barcode on the display and is also printed on a sticker located at the bottom of the label, as well as engraved on the rear side.

The Link ID consists of eight alphanumeric characters (0–9 / A–Z), with the prefix segment indicating the label type and size. For an overview of the current Link ID ranges, contact technical support or the designated installation partner.

Customers using Vusion cloud-based solutions receive automatic updates when new Link ID classes are introduced.

2.2. Serial Number

Part	Description	Format	Example	Comment	Source
A	Producer	2 alpha	01		Specified by SESimagotag® once for each tab
B	Product family	3 alpha	R22		Specified by SESimagotag® in the product specification document
C	Product version	3 alpha	N01	N = with NFC	
D	Product revision	3 alpha	001	Incremented on every change of specification	
-	Separator	"-"	-		Fixed
E	Year	1 alpha	E	A=2010, B=2011, ..., I=2018	Calculated during production
F	Week	2 dec	13		
G	Internal	6 dec	000065	Continuous Serial Number (Counter)	

Format: AABBBCCCDDD-EFFGGGGGG **Example:** 02G1B302001-E13000056

Note: Calendar week date is calculated according to ISO 8601

3. Electrical & RF Characteristics

3.1. Power and Current Consumption

The label powered by one or more coin-cell batteries. The following table below gives a short overview of all labels and their respective batteries.

Caption	Display colors	Battery Type	Operating Voltage	Nominal capacity
E300 1.5	b/w/r/y	1x CR2450	3 V	550 mAh
E300 1.9	b/w/r/y	CR2450	3 V	550 mAh
E300 2.1	b/w/r/y	2x CR2450	3 V	1100 mAh
E300 2.1 WP	b/w/r/y	2x CR2450	3 V	1100 mAh
E300 2.1 F	b/w	2x CR2450D	3 V	1100 mAh
E300 2.6	b/w/r/y	2x CR2450	3V	1100 mAh
E300 2.6 F	b/w	2x CR2450D	3V	1100 mAh
E300 2.6x	b/w/r/y	2x CR2450	3V	1100 mAh
E300 2.6x F	b/w/r/y	2x CR2450D	3V	1100 mAh
E300 3.5x	b/w/r/y	3x CR2450	3V	1650 mAh
E300 3.5w	b/w/r/y	3x CR2450	3V	1650 mAh
E300 4.2	b/w/r/y	3x CR2450	3 V	1650 mAh
E300 4.2 WP	b/w/r/y	3x CR2450	3 V	1650 mAh
E300 4.5	b/w/r/y	3x CR2450	3 V	1650 mAh
E300 6.0	b/w/r/y	3x CR2450	3 V	1650 mAh
E700 7.3	b/w/r/y/b/g	6x CR2450	3 V	3300 mAh
E300 7.4	b/w/r/y	4x CR2450	3 V	2200 mAh
E300 9.7	b/w/r/y	8x CR2450	3 V	4400 mAh

4. NFC

SESimagotag® electronic shelf labels are available with integrated NFC functionality for most models upon request. As this feature necessitates specific testing, it is confirmed that the NFC implementation complies with the ISO 14443 standard, operating at a frequency of 13.56 MHz.

4.1. Functionality

4.1.1. Matching

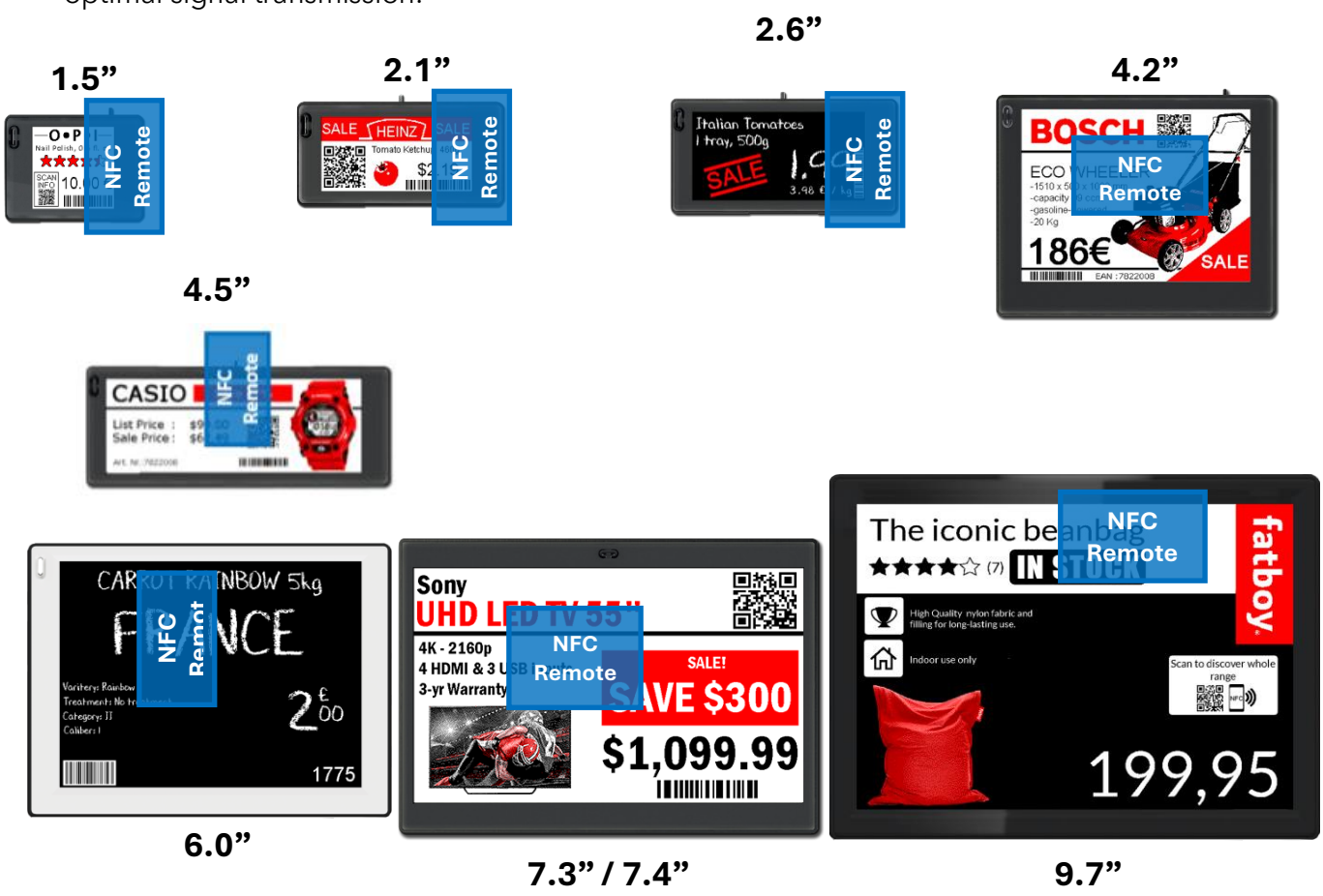
NFC-enabled labels provide a convenient alternative to barcode scanning during the product-to-ESL matching process. Instead of manually reading the barcode, users can simply tap the NFC tag at designated positions on the label. The NDEF text record contains the label's Link ID, which can be used for subsequent processing.

4.1.2. URL Redirect

Using our API, customers can easily edit the NDEF URL record (which is blank by default after production) to redirect shoppers and store employees to a specific website.

4.1.4. Antenna positions

To establish reliable NFC communication between the reading device and the electronic shelf label, the NFC antennas of both components must be aligned as closely as possible. The following overview provides the specific antenna positions for each label size to support optimal signal transmission.



5. E-Paper Display

To specify E-Paper Display colours and colour tolerances the CIELAB colour space (also known as CIE L*a*b* or Lab colour space) is used at end of line testing.

Colour specification and tolerances for SESimagotag® electronic shelf labels (ΔE is defined as CIEDE2000.).

Colour measurement procedure:

- Colour measurement devices (spectrophotometer) must be calibrated.
- Test images to be used:
    - White colour measurements: Full white image
    - Red colour measurements: Full red image
    - Yellow colour measurements: Full yellow image
- Measurements must be performed at room temperature (23°C) and between 30% - 70% humidity.
- Following steps must be executed for colour measurement:
    1) Put the tag in environmental conditions and store for 1h
    2) Send a full white image to display, wait 2 minutes
    3) Send test image to display
    4) Execute colour measurement 10 minutes after display update (T10)

Please note that the EPD colours may evolve in time due to various external factors (non-regular display updates, non-regular change of template, humidity, temperature), etc.. This is to be considered as normal wear and tear.

	L* [TYP]	a* [TYP]	b* [TYP]	Colour Deviation $\Delta E^*/\Delta L^*$ Spec.
E5 SE Red	25.8	37.8	26	$\Delta E^* < 10$
E5 SE Yellow	56.5	19.3	66.3	$\Delta E^* < 10$
E5 SE White	66.8	-	-	$\Delta L^* < 10$
E5 SE Black	11.4	-	-	$\Delta L^* < 10$
BW (Freezer) White	74	-	-	$\Delta L^* < 10$
BW (Freezer) Black	18	-	-	$\Delta L^* < 10$

The measurements for the above-mentioned boundaries are classified based on the measurements by VusionGroup®. Here the measurement device is specified as CM-700D with D65 light source and SCE mode. To measure these values the specific test images, need to be displayed on the specific EPD and the measurement must be done directly on the EPD and not with any casing on top of it, as this will show different results due to a different reflection rate. What also needs to be considered is that the measurement needs to only take place after 60s at 0° viewing angle and after the image change and at 23°C following the specific calibration sequence between each image change.

6. LED

6.1. Photobiological safety

All LED's used in SESimagotag® electronic shelf labels comply with IEC 62471:2006 - Photobiological safety of lamps and lamp systems.

6.2. Configuration Versions

It is configurable if there are LEDs built into the label or not. If there are none, the casing is also adapted (has no holes for the LEDs and no lightguide).

So, the possible configurations are:

- No LED
- White and RGB LED
- Only RGB LED (default configuration)

6.3. Flashing patterns / brightness

The actual LED blinking pattern can be changed. For SESimagotag® ETag electronic shelf labels, there is a set of predefined LED blinking patterns.

- Slow: one short flash every 4 seconds
- Medium: one short flash every 2 seconds
- Fast: one short flash every second
- Performance: 4 short flashes every second

Please note that LED flashing results in an increased power consumption and can influence the battery lifetime depending on blinking pattern, colour, and duration.

The default setting for the flash is “Medium” which can however be changed via a dedicated API call. Further information regarding battery impacts can be found below.

7. Environmental

7.1. General

E-Paper displays are moisture and UV sensitive. Exposing the ETags to direct UV sources should be avoided seeing as those can impact the casing quality as well as image clarity. The absolute operating environments rating describes the boundary conditions for updating the display while the absolute storage environment rating (see *Storage and warehousing* on page) describes the boundary conditions for a display not updating.

	BW (Freezer)	BWRY E5 (incl. SE)
Operating temperature	-25 °C to +10 °C*	0 °C to 40 °C
Operating humidity (non condensing)	10% - 60%	40% - 80%

*10°C – 25°C is also possible but display can have a lower optical performance

7.2. Temperature and Humidity Conditions

- High humidity combined with low temperature is not recommended
- Overall, an operation outside of the above given ranges are not covered and hence not recommended to use the ESL outside of this range
- Temperatures differing room temperature may have an impact on battery lifetime (excl. Freezer)

7.3. Cleaning Instructions

Electronic labels should only be cleaned with a damp cloth. Only pH-neutral common household cleaners should be used and no other aggressive cleaning agents. For the E300 waterproof Range please refer to the dedicated cleaning instructions available on **the customer portal** or provided by your regional partner.

Labels should not be cleaned with alcohol, solvents and / or abrasive cleaning products as they can react with the used materials and alter the product appearance and functionality.

Note: Do not use liquid or aerosol cleaners and keep it away from water.

8. Storage and warehousing

While displays are rated to perform according to the specifications for the warranty period at the specified absolute operating environment the storage conditions prior to installation also need to be considered. Testing showed that the storage conditions close to the operation conditions of the E-Paper displays performed better than if it is stored outside of the storage conditions mentioned in the table below. Like other moisture and UV sensitive components, we recommend that our labels be stored in temperature- and humidity-controlled environments, and whenever possible, under below defined "*Optimal Storage Conditions*", away from sunlight, to optimize their performance.

It is strongly recommended to monitor the following conditions to ensure the best operation, functionality, and battery lifetime:

- Storage temperature and humidity

	BW (Freezer)	BWRY
Storage temperature	-25 °C to +60 °C	-25°C to +60°C
Storage humidity	30% - 90%	40% - 80%
Optimal storage temperature	-10 °C to +35 °C	-10 °C to +35°C
Optimal storage humidity (non-condensing)	40% - 60%	45% - 60%

- Do not operate any ESL Infrastructure in a warehouse storing labels or where the radio coverage could activate stored labels.
  The label will permanently try to connect to the access point, leading to a reduced usable battery lifetime.

- To reach the optimal performance of the label, SESimagotag® recommends storing the labels according to the above stated conditions and limit the storage period to a maximum timeframe of one year as this may have an influence on the battery lifetime as well as general ESL performance.

Please note that these Optimal Storage Conditions grant the best battery lifetime, thus non-compliance with these thresholds may severely impact the lifetime of your batteries and the optical display quality of the products.

8.1. Pool/Spare labels in the store

If it is necessary to have a pool of labels or spare labels in a store the following requirements need to be fulfilled to ensure best operation, functionality, and battery lifetime.

All labels must be:

- Registered
- ONLINE (good radio coverage) and UNMATCHED (ready for further matchings)
- Stored in a defined area (store staff to be trained)

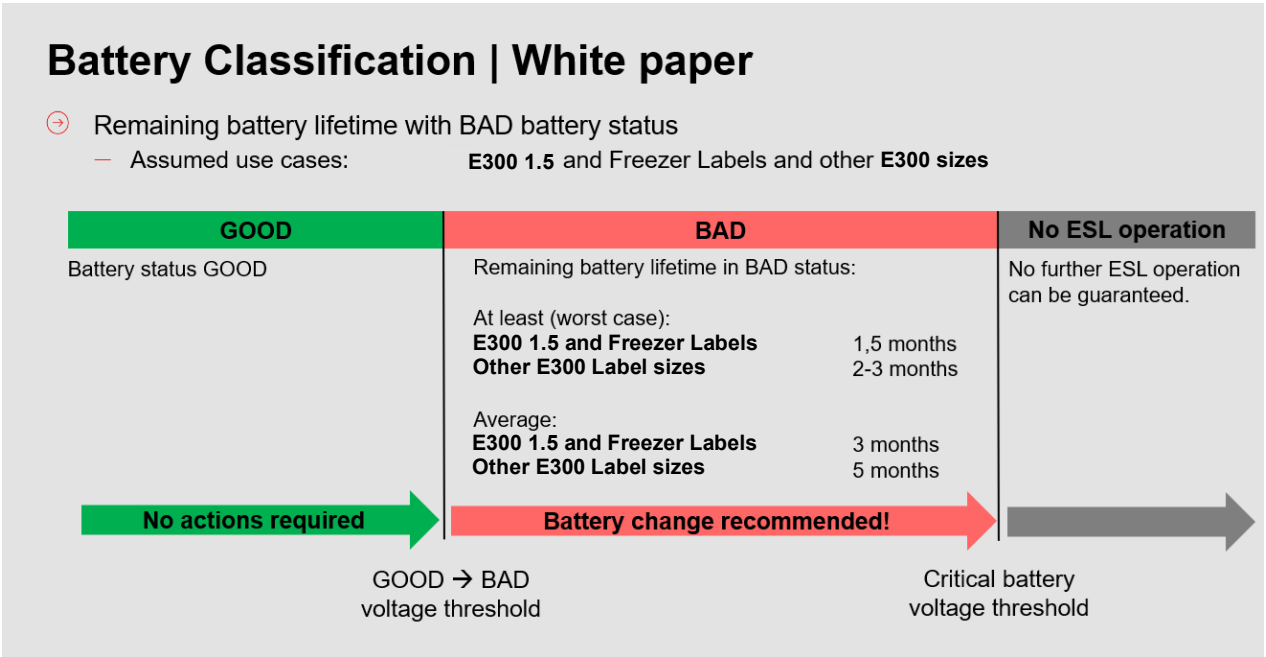
9. Battery lifetime

The radio sync quality between labels and access points has to be "PERFECT" or "GOOD".

To comply with these specifications, a Site Survey according to SESimagotag® guidelines is necessary.

- An average number of display updates per time is applied on the specified battery lifetime.
- Most of the time the operation temperature of the labels must be close or equal to 21° C.
- To reach the best battery performance possible, the requirements regarding *Storage and warehousing* on page 30 also needs to be observed.
- Performing less than specified updates doesn't extend the battery lifetime significantly.
- The battery power status is displayed in SESimagotag® VUSION Cloud and categorized as follows:
    - **GOOD:** The Battery is okay, and no further actions are necessary.
    - **BAD:** Due to low battery voltage, unexpected behaviour can occur in this status. Therefore, an immediate battery replacement is recommended.
    - **UNKNOWN:** No recent power sensor value available or label is outside its allowed temperature range. In this case try removing and reinstalling the battery as well as placing the ESL in a different environment to make sure that the operation conditions stated above are met.

These conditions are not only applicable to the batteries initially used when the ESL is produced but also applicable to all certified replacement batteries provided by SESimagotag®.



10. Information Notice about lithium battery risks

The electronic tags are powered by lithium batteries, which can present certain risks if not stored properly.

Lithium batteries are inflammable if improperly stored.

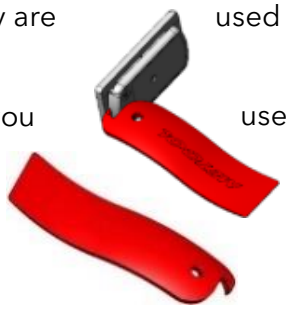
The entire surface of lithium button batteries is conductive, and they can short-circuit and **catch fire quickly**. NEVER store these batteries together without protection.

Note: If a few electronic tags show signs of strain, it is common to replace the batteries in all the tags at once. In this situation, some of the batteries you remove from your tags may not be completely empty, increasing the risk of inflammation and the power of the fire.

10.1. Good practices to avoid these risks - during the replacement.

Several solutions can be used to limit the risks:

- Use a specialized company to change lithium button battery. They are used to this and have packaging designed to isolate these batteries.
- If you plan to change the batteries yourself, we recommend that you use the clip removal tool to open the doors of your labels.
- Using any other tool may damage your labels and batteries.

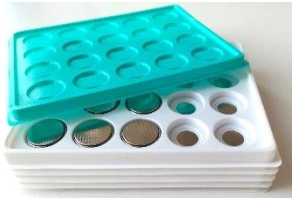


Please note this does not concern Waterproof ESL's

Here is how to replace lithium batteries

Once the batteries have been replaced, you must isolate the old batteries from each other.

Improper storage of your batteries (e.g., "bulk") significantly increases the risk of ignition of your batteries.
New batteries are delivered in storage racks, we strongly recommend that you keep the original packaging to store used batteries.
Once packaged, we recommend that you contact your collection and recycling organization for the removal and disposal of used batteries.



10.2. During storage of batteries and unused labels

Lithium button batteries should NEVER be stored in contact with each other and without sufficient protection.

Use the storage racks (strongly recommended)

We strongly recommend that you use the original packaging of your new batteries.

Thanks to these storage racks, each battery is isolated in a compartment, by clipping it into the slot provided for this purpose.

We recommend that you stack each battery tray and add a divider, respecting the quantity per box you received, then secure them firmly together.

Carefully store the racks in a box so that they do not move during transportation and contact your collection and recycling organization for removal and recycling process, notifying them of the presence of these batteries.

Without a storage rack

When storing unused electronic tags, it is important to pack them properly and **not** to put them in boxes with unprotected batteries.

In case of missing, defective, or not correctly closed battery trap, the batteries must be removed from the electronic label and recycled locally by the approved eco-organization that collects used batteries in your store.

It is also strictly forbidden to return batteries alone (outside of the electronic labels).

NEVER put unprotected batteries in a box with other materials such as labels

Here is a simple way to store your batteries safely: Stick them on adhesive tape

10.3. During transportation

It is strictly forbidden to return batteries alone outside the electronic labels. Any shipment containing batteries outside of the electronic labels will be rejected by SESimagotag® and may be invoiced for processing costs. In the event of non-compliance with these instructions resulting in damage caused by fire or otherwise, SESimagotag® reserves the right to claim compensation for the damage suffered, including damage suffered by our partners or carriers.

Batteries alone must be collected by your recycling organization. It is imperative that the batteries are secured in the storage racks or by keeping them secured with tape as shown above. We advise you to inform your recycling organization of the presence of these batteries in the packages that will be entrusted to them.

It is your responsibility to take all measures required by law and regulations concerning the transport of dangerous products, particularly in terms of marking the boxes in transit.

10.4. Recycling of lithium button batteries

No single battery (outside of ESL) should be returned to SESimagotag®.

To proceed with the collection and recycling of your batteries, you can contact an organization specialized in the collection and destruction of batteries in your country. (e.g.: France: Corepile).

We recommend that you follow the above packaging instructions when handing over your batteries to the collection organization and inform them of the presence of these batteries.

11. Reliability Test Items

Testing of the operation conditions (temperature and humidity)

To evaluate the performance and image quality of the SESimagotag® Electronic Shelf Labels range multiple image updates are run at high and low temperature ranges and different humidities. By conducting these tests, we make sure that the given operation conditions indicated in the chapter "Environment" are to the customers satisfaction.

Testing of the storage conditions (temperature and humidity)

To make sure that the SESimagotag® Electronic Shelf Labels are not influenced by any condition that falls under the indicated values for humidity and temperature stated in the chapter "*Storage and warehousing*" a series of test cycles are conducted. These then make sure that the conditions do not have an impact on image quality, product lifetime as well as operational quality when the product is finally installed in a store.

Temperature Shock (Storage)

As there can be certain situations where the optimum storage conditions are not met the SESimagotag® Electronic Shelf Labels is put through cycles which are out of the given values on temperature and humidity. This ensures shot periods of storage that do not meet the given requirements do not have an influence on the quality of the product in any way.

Label Drop Test

Seeing as a SESimagotag® Electronic Shelf Labels might be dropped in a store from different heights our mechanical testing also covers this aspect. The label drop test coves different heights where the ESL is dropped onto a steel surface and then checked for any kind of damage. If there is no damage and no impact on updating the image the test is seen as "passed".

Package Drop Test

Like the label drop test the package containing our ESLs is also tested for its protection against any form of damage to our products. This serves the purpose of ensuring that the product arrives at the customer unharmed.

Package Random Vibration Test

To ensure all products that are delivered to our customers arrive intact and can therefore be used straight away we perform specific vibration tests simulating the different means of transportation. This allows us to make sure, that the applicable vibrations do not cause any damage to the internals electronics as well as the structural integrity of our products overall.

Food Contact Test

As some of our products may come into direct food contact, we make sure, that the materials used also pass a dedicated food contact test. This ensures that no harmful substances can be absorbed into the food when it comes into contact with our product.

Compression Test

When handling our ESLs there might be the case, that pressure is applied to either the screen or front cover. To cover the potential applied pressure a dedicated test must be passed, where the display has to sustain an applied force on multiple locations without causing the display to break and hence assuring an intact surface and functionality.

UL-Test for Classification

To make sure that the Label meets any mandatory requirements regarding fire retarding capabilities we conduct all necessary test for the classification according to the UL range. By doing this we can guarantee that our products meet all the given requirements by our customers as well as logistics partners to meet transport regulations.

12. Certifications

12.1. Types and Product Certifications

RoHS	Housing, printed circuit board and the display are in line with the ROHS Directive

For information about the status of certifications of SESimagotag® Electronic Shelf Labels please contact your local sales representative.

12.2. Applied Standards

Information Technology Equipment

IEC 62368-1:2014

EN 62368-1:2014

UL 62368-1:2014

CSA CAN/CSA-C22.2 NO.62368-1:2014

EMC

EN 301489-1 V2.2.0

EN 301489-17 V3.2.0

RED

EN 300 328 V2.1.1

EN 300 328 V2. 2.0

Human Exposure to Electromagnetic Fields

EN 62479:2010

Federal Communications Commission / Industry Canada

FCC: 47 CFR Part 15 (USA)

IC: RSS-210 Issue 10 (Canada)

12.3. Declaration

The company VusionGroup GmbH declares on his own responsibility that the SESimagotag® Electronic Shelf Labels correspond to the standards mentioned above.

Hereby, VusionGroup GmbH declares that the radio equipment:

E300 1.5 (EDB2-0150-A), E300 2.1 (EDB2-0210-A), E300 2.1 WP (EWB2-0210-A), E300 2.1 F (EFB2-0210-A), E300 2.6 (EDB2-0260-A), E300 2.6x (EDB2-0261-A), E300 2.7 (EDB2-0270-A), E300 3.5w (EDB2-0352-A), E300 4.2 (EDB2-0420-A), E300 4.2 WP (EWB2-0420-A), E300 6.0 (EDB2-0600-A), E300 7.4 (EDB2-0740-A), E300 9.7 (EDB2-0970-A)
is in compliance with Directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at the following QR code or internet address: https://www.ses-imagotag.com/en/electronic-shelf-labels/doc-vusion-labels/

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.

CAUTION TO USERS
Changes or modifications not expressly approved by the party responsible for compliance could void the user`s authority to operate the equipment.

FCC rules apply to the following products: E300 1.5 (EDB2-0150-A), E300 2.1 (EDB2-0210-A), E300 2.1 WP (EWB2-0210-A), E300 2.1 F (EFB2-0210-A), E300 2.6 (EDB2-0260-A), E300 2.6x (EDB2-0261-A), E300 3.5w (EDB2-0352-A), E300 4.2 (EDB2-0420-A), E300 4.2 WP (EWB2-0420-A), E300 4.5 (EDB2-0450-A), E300 6.0 (EDB2-0600-A), E700 7.3 (EDB2-0730-A), E300 7.4 (EDB2-0740-A) E300 9.7 (EDB2-0970-A)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
1) L'appareil ne doit pas produire de brouillage;
2) L'appareil doit accepter tout brouillage radioélectrique subi, même si lebrouillage est susceptible d'en compromettre le fonctionnement.

IC standards apply to the following products: E300 1.5 (EDB2-0150-A), E300 2.1 (EDB2-0210-A), E300 2.1 WP (EWB2-0210-A), E300 2.1 F (EFB2-0210-A), E300 2.6 (EDB2-0260-A), E300 2.6x (EDB2-0261-A), E300 3.5w (EDB2-0352-A), E300 4.2 (EDB2-0420-A), E300 4.2 WP (EWB2-0420-A), E300 4.5 (EDB2-0450-A), E300 6.0 (EDB2-0600-A), E700 7.3 (EDB2-0730-A), E300 7.4 (EDB2-0740-A), E300 9.7 (EDB2-0970-A)

Taiwan

NCC rules apply to the following products: E300 1.5 (EDB2-0150-A), E300 2.1 (EDB2-0210-A), E300 2.6 (EDB2-0260-A), E300 4.2 (EDB2-0420-A), E300 4.2 WP (EWB2-0420-A), E300 6.0 (EDB2-0600-A), E300 7.4 (EDB2-0740-A), E300 9.7 (EDB2-0970-A)

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射 頻器材之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時，應 立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理 法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及 醫療用電波輻射性電機設備之干擾。

13. Improper Use

VusionGroup® shall not be responsible for defects resulting:

- from use or storage which is harmful to the proper working of the product (e.g. abnormal use, incorrect maintenance and/or storage) and/or non-compliance with the applicable product environment specifications
- from a use of the product which does not comply with the recommendations and specifications of VusionGroup®
- from use or installation which is not compliant with the applicable functional description, or any other technical specifications provided by VusionGroup®

Please note the following handling instructions, non-compliance is considered improper use:

- Never open or disassemble the electronic device, only the battery may be replaced by trained users.
- Don’t use the electronic device if it is defective. If the screen is defective, the ESL shall be replaced.
- Unauthorized changes or modifications to the electronic device and their components without the consent of VusionGroup® are not allowed.
- Don’t use the electronic device with spare parts and accessories which are not tested and approved by VusionGroup®.
- **WARNING**: Contains lithium pouch or cell batteries
- NEW AND USED BATTERIES CAN BE HAZARDOUS, KEEP THEM OUT OF REACH OF CHILDREN
- Swallowing or placing batteries inside any part of the body may lead to severe or fatal injuries within 2 hours, due to chemical burns and potential perforation of the oesophagus.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.
- **CAUTION**: The battery used in this device may present a risk of fire or chemical burn hazard if mistreated. Do not recharge, short-circuit, disassemble, heat above 100°C (212°F), incinerate or bend the battery.
- Do not use labels above the lifetime/usage information (Display updates, LED usage, etc.) which was committed by contracts or given per datasheet.
- Do not use labels out of specification / datasheet, e.g., use in ESLs in freezer area which – per datasheet – are not designed for such environment.
- Please handle the ESL carefully.
- Prevent damage by water and intrusion of liquids into the label. Direct contact to water shall be prevented if the ESL is not declared as IP68.
- Don't drop the label to the floor. If an ESL is dropped, check whether the label is still working or has any visible damages.
- Apply as little pressure as possible when inserting the ESL into the rail or when moving in the rail. Apply pressure only on the edge of the screen and at the level of the battery compartment, not on the screen itself. If the ESL is equipped with Easylock, only remove the ESLs from the rail with the provided tool for this purpose.
- Strictly avoid direct contact with groceries.
- Do not use harsh detergents containing alcohol or abrasive additives to clean the ESL
- We assume no liability for stolen labels.
- Keep the product and its batteries away from children.

- Examine devices and make sure the battery compartment is correctly closed. Do not use the product if the compartment is not secure.
- Don't throw the batteries into the garbage. Give them to a recycling company or contact VusionGroup® for handling advice.
- Don't throw the electronic device into the garbage. Give them to a recycling company or contact VusionGroup® for handling advice.
- Preferably transport all ESLs upright like in the original packaging. Never transport loosely packed labels.

Material Safety Information: In accordance with REACH Regulation, Article 3(3) electronic shelf labels are regulated as articles, therefore a Safety Data Sheet is not applicable. As stated in Article 31, the Safety Data Sheet needs be provided with substances or mixtures. Please consider the handling instructions or contact VusionGroup GmbH for further information.