Blyott | simac PHI DATA

BLYOTT EYE SENSOR · TEMPERATURE MONITORING

A certificate that holds up.

Which certificate the Eye Sensor comes with, why it equals BELAC or NIST, what the law requires and what it costs.



PER SENSOR

Lab certificate on the serial number

ACCURACY

±0.48 °C · class 0.5

FOR

Hospital pharmacy · laboratory · care

BROCHURE · 19 OCTOBER 2026 · V26R02

WHAT IT IS

A calibrated logger.
Wireless, with a certificate.

±0.48 °C

tolerance, 3-point calibrated

345 days

memory, even without network



Class 0.5

EN 12830 type certificate

5 years

battery, at most

EN 12830 · ISO/IEC 17025 · CE · RED · ROHS · IP67

The same sensor as in the food industry's cold chain, on the platform of your asset tracking.

THE CERTIFICATE

One measuring point that counts.

Every Eye Sensor comes with a calibration certificate on its own serial number.

CALIBRATION CERTIFICATE · SENSOR 183910214 · 10 APRIL 2025 · SAS SCS 0158

−0.15 °C

Deviation at +5 °C, the point that counts for a 2 – 8 °C medicines fridge

Tolerance ±0.48 °C · compliant · measurement uncertainty 0.20 °C (k = 2)

THREE DOCUMENTS IN YOUR FILE

ISO/IEC 17025

Calibration certificate

Sensirion AG, on the serial number of your sensor, three measuring points.

SAS SCS 0158

Accreditation scope

Swiss accreditation service SAS, valid 19.10.2025 – 18.10.2030.

EN 12830

Type certificate

Cemafroid, CCT-E149, class 0.5, −20 °C to +60 °C.

No expiry date on the certificate: you choose the interval. Examples: temp-certificates.blyott.app

SAS, BELAC or NIST?
Was the lab allowed to?

Sensirion · SAS SCS 0158

ACCREDITED

Swiss accreditation service, ISO/IEC 17025, per unit on the serial number.

BELAC certificate

ACCREDITED

Belgian accreditation service, ISO/IEC 17025, after a calibration run in Belgium.

“NIST traceable”

TRACEABLE

A claim about the measurement chain, no accreditation, no mutual recognition.

SAS and BELAC are equivalent

Both signed ILAC-MRA and EA-MLA: each recognises the other’s certificates as its own.

Does the tender say “BELAC”?

Read “accredited under ILAC-MRA”: we supply the SAS scope and the certificate as standard.

The same certificate, from another country. NIST adds nothing.

THE FRAMEWORK

Recording and calibrating are required. An interval is set nowhere.

0 of 5

sources for a Belgian pharmacy, hospital pharmacy or laboratory impose a fixed calibration interval

		INTERVAL
Royal Decree 21/01/2009	Guide to good pharmacy practice	**not specified**
Royal Decree 30/09/2020	hospital pharmacy	**not specified**
PIC/S PE 010-4	preparation in healthcare establishments	**“appropriate”**
EU GDP 2013/C 343/01	distribution	**risk-based**
EN 13486	verification of EN 12830 recorders	**recommended: annually**

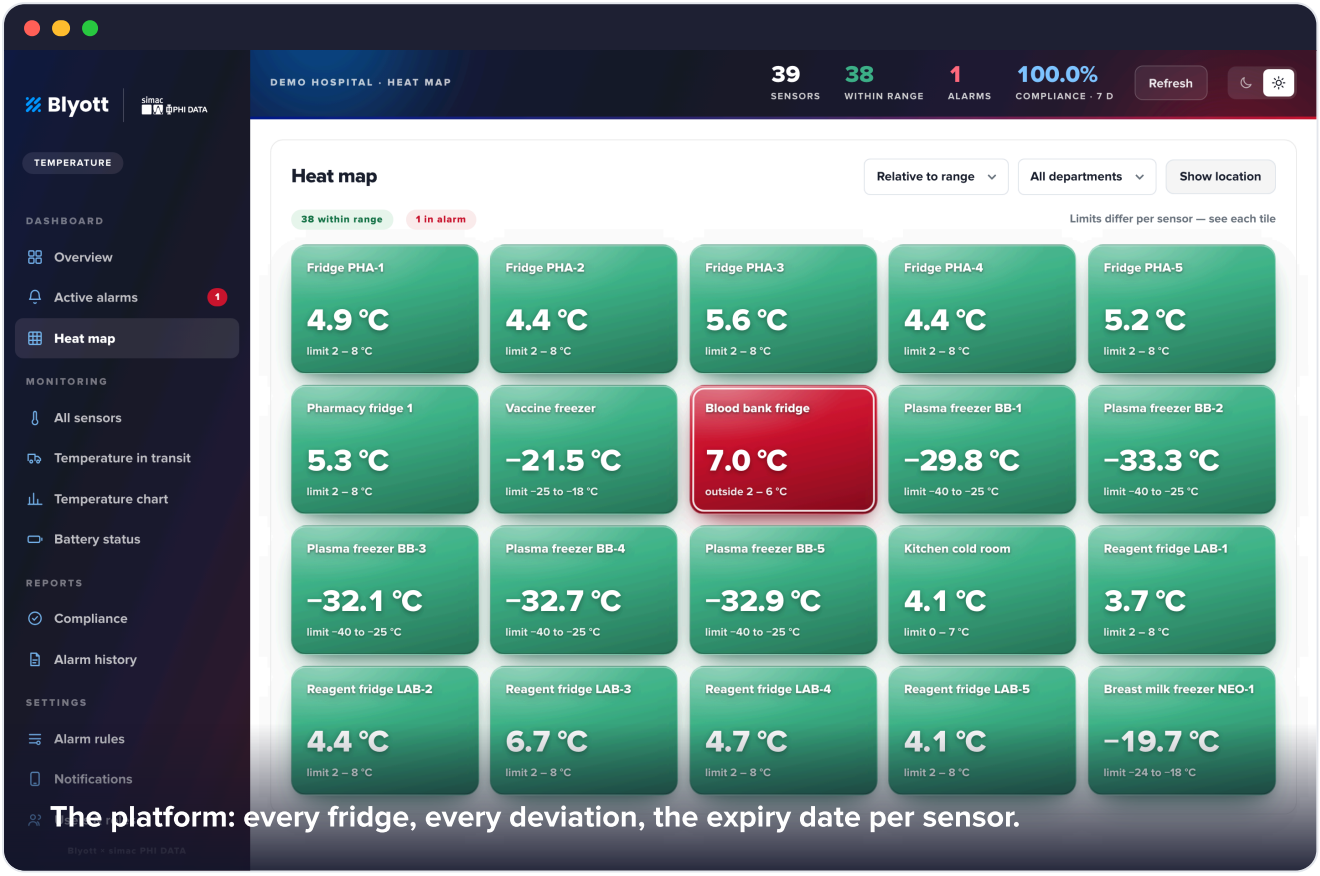
What each source asks exactly: appendix.

That is deliberate: the interval belongs in your quality system. Every year is usual where the product is critical.

OUR ADVICE

Replace, do not recalibrate. We keep track.

A new unit with a fresh certificate and a new battery, without the fridge going unmonitored for an hour.



The platform: every fridge, every deviation, the expiry date per sensor.

Recording and alarming

Every reading in the platform, notification by email, SMS or app, reports ready for the inspection.

Calibrated and traceable

Per sensor three documents in your file: certificate, SAS scope and EN 12830.

Replaced on time

Blyott notifies you before the expiry date. Old sensor out, new one in: minutes.

A fresh certificate for less than one calibration run. Prices: next page.

WHAT IT COSTS

One sensor, one licence. List prices.

EYE SENSOR

€38

one-off, per sensor

with the three certificates

TEMPERATURE LICENCE

€30

per sensor per year

€2.50 per month: platform, alarms, reports, file

TRACKING LICENCE

€15

per sensor per year

€1.25 per month: an old sensor that follows an asset

REPLACE EVERY 2 YEARS

€49

per year per fridge, sensor and licence together

€38 + 2 × €30 = €98 per two years

OTHER RHYTHMS

Replace every year
per year per fridge: €38 + €30 — **€68**

Keep the old sensor
per year, at the tracking rate — **+ €15**

A · Return

The old sensor goes back to Blyott; the licence stops.

B · Keep for asset tracking

The certificate has expired, the sensor has not: it follows a wheelchair, pump or bed.

List prices October 2026, excl. VAT. Gateway or Wi-Fi, installation and volumes: in the quotation.

The figures behind the brochure

A Measurement table of the calibration certificate

Calibration certificate · sensor 183910214 · 10 April 2025 · Sensirion AG, SAS SCS 0158

	FRIDGE 2 – 8 °C	
−30 °C compliant	**+5 °C** compliant	**+70 °C** compliant
REFERENCE −30.96 °C · SENSOR −31.21 °C	REFERENCE 4.78 °C · SENSOR 4.63 °C	REFERENCE 69.79 °C · SENSOR 69.93 °C
Deviation −0.25 °C	Deviation −0.15 °C	Deviation +0.14 °C

tolerance ±0.48 °C · compliant · +5 °C is the point that counts for a 2 – 8 °C medicines fridge. Measurement uncertainty 0.20 °C at 5 °C (k = 2, 95%).

B Accreditation and type certificate

Calibration lab	Accreditation scope	Type certificate
Sensirion AG (Switzerland)	**SCS 0158**	**EN 12830**
ISO/IEC 17025	temperature, fixed points −30, 5 and 70 °C	Cemafroid (France)
accredited by the Swiss accreditation service SAS (SECO)	valid 19.10.2025 – 18.10.2030	CCT-E149 of 14.03.2024
traceable to the SI units via ILAC-MRA and EA-MLA		type BTSMP1, class 0.5
equivalent to NIST, METAS or PTB		−20 °C to +60 °C

Examples · temp-certificates.blyott.app

C Worked example, one fridge, excl. VAT

Replace every year		Replace every 2 years	
At the start	**€38 + €30 = €68**	At the start	**€38 + 2 × €30 = €98**
At each replacement	**€68 (new sensor + 1 year)**	At each replacement	**€98 (new sensor + 2 years)**
Keep the old sensor (option B)	**+ €15 per year**	Keep the old sensor (option B)	**+ €15 per year**
AVERAGE PER YEAR	**€68**	AVERAGE PER YEAR	**€49**

The framework and the specifications

D The five legal sources and their interval

Royal Decree 21/01/2009 Guide to good pharmacy practice	check the temperature “at regular times”, inspect equipment according to procedure, keep the records; the inspection expects a daily record of the fridge (2 – 8 °C)	not specified
Royal Decree 30/09/2020 hospital pharmacy	procedures for the premises, including temperature (annex I, art. 15); preparations under PIC/S (annex III)	not specified
PIC/S PE 010-4 preparation in healthcare establishments	recorders that signal when the condition is not met; measuring equipment “calibrated and recalibrated at appropriate intervals”	“appropriate”
EU GDP 2013/C 343/01 distribution	calibration “at defined intervals based on a risk and reliability assessment”, traceable to a national or international standard	risk-based
EN 13486 verification of EN 12830 recorders	the user sets the frequency, taking the manufacturer into account; the standard recommends an annual check	recommended: annually

E Eye Sensor BT-EN12830 specifications

Measuring range	−20 °C to +60 °C · calibrated at −30, +5 and +70 °C · RH 0 – 100%	**Sensor**	Sensirion SHT43, temperature and humidity · logs every 1, 5 or 15 min (configurable)
Communication	Bluetooth Low Energy, encrypted, with protection against replayed messages	**Dimensions**	56.6 × 38.0 × 13.0 mm, 18 g · fridge, freezer and room
Memory · battery	345 days in the sensor · CR2450, 5 years at most, depending on interval and temperature	**Markings**	EN 12830 · ISO/IEC 17025 · CE · RED · RoHS · IP67
Manufacturer	Teltonika Telematics (Lithuania, ISO 9001: the company’s quality system, not the measurement), supplied and supported by Blyott		

What you decide, and the platform

F New sensor versus calibration service

	NEW SENSOR (1 OR 2 YEARS)	CALIBRATION SERVICE
Certificate	fresh lab certificate on the new serial number	new certificate on the old device
Interruption	none: old sensor out, new one in, fridge stays monitored	device away for removal, transport and calibration; replacement needed
Battery	always new	stays the old one, to be replaced separately later
Work for you	swap the sensor and link it: minutes	planning, shipping, admin, reinstalling
Cost	LOWER	HIGHER

G What is fixed, what you decide, what happens in practice

What is fixed	Continuous recording with proof that you looked, alarming and recording how it was handled, calibrated and traceable equipment with the certificate in the file.
What you decide	The interval, backed by a short risk analysis, and the tolerance: ±0.5 °C is usual for 2 – 8 °C. Recalibrate or replace: the law asks for a valid certificate, not the route to it.
What happens in practice	Every year where the product is critical: blood, vaccines, medication, lab samples. Every two years for food and less critical storage. Three measuring points are usual; we arrange five at extra cost.

H Platform and options

No extra costs	No separate calibration cost, no transport, no replacement device.
Already on a Blyott platform?	The same environment, without a second login; otherwise a light temperature version.
Option A · return	The old sensor goes back to Blyott; the licence stops and you only keep paying for the new sensor.
Option B · keep	The old sensor follows a wheelchair, pump or bed in the same platform, at €15 per year (tracking licence).
Measuring points	Three measuring points are usual; we arrange five at extra cost. Still want a Belgian lab? Recalibration there, at extra cost.
Equivalence	SAS and BELAC signed ILAC-MRA (worldwide) and EA-MLA (Europe) and are assessed for this every four years. The Sensirion certificate has NIST-style traceability too, plus the accreditation.



NEXT STEP

One fridge as a trial.

One Eye Sensor, three certificates, the reports for the inspection. Or first a half-hour online demo.

BOOK A LIVE DEMO ↗ START A TRIAL ↗

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Together we make care more efficient.