

1 **UNITED KINGDOM CONFORMITY ASSESSMENT**
2 **UK TYPE EXAMINATION CERTIFICATE**

3 **Product Intended for use in Potentially Explosive Atmospheres**
4 **UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1**

5 Type Examination Certificate Number: **ExVeritas 21UKEX1042X** Issue: 2

6 Product: TrackSense Pro® - data logger

7 Manufacturer: Ellab A/S

8 Address: Trollesmindeallé 25
3400 Hillerød, Denmark

9 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

10 ExVeritas Limited Approved Body number 2585, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

11 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0: 2018

EN 60079-11: 2012

EN 60079-26: 2015

Except in respect of those requirements listed at section 16 of the schedule to this certificate.

12 If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

13 This TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

14 The marking of the equipment shall include the following:



II 1 G Ex ia IIC T3 Ga (types: Pro, Pro X, Basic, Pro XL)

II 1 D Ex ia IIIC T200°C Da IP6X (types: Pro, Pro X, Basic, Pro XL)

II 1 G Ex ia IIC T3 Ga (types: SKY, Pro XL SKY)



No. 8613

On behalf of ExVeritas



S Clarke CEng MSc FIET
Managing Director

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The status of this certificate can be verified at www.exveritas.com

For help or assistance relating to this certificate, contact info@exveritas.com.

ExVeritas, Units 16-18, Abenbury Way, Wrexham Industrial Estate, Wrexham, United Kingdom LL13 9UZ.

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Schedule

13 Description of Product

The series of Ellab A/S "TrackSense® Pro" data loggers consist of the following type variants: TrackSense Pro, TrackSense Pro X, TrackSense Basic, Tracksense Pro XL, TrackSense SKY and Tracksense Pro XL SKY.

The products are Intrinsically safe wireless battery operated data loggers without any external connection facilities. The data logger can be mounted with a number of different sensors such as pressure-, humidity- and temperature sensors. All these sensors are classified as "simple apparatus" and can be modified in size, shape and length in accordance with the actual client's needs. The logger readings can be retracted outside the Hazardous area with a reader station. This reader station is not a part of this certification. The logger can in addition be mounted with the SKY module, which is the optional module for RF communication.

Level of protection: Ex ia IIC T3 Ga and Ex ia IIIC T200°C Da IP6X.

Type variants mounted with the SKY or Pro XL SKY module are not covered by the Group IIIC (Dust) certification and can be used in Gas only.

Type Key

Brand name: "TrackSense® Pro"

Type variants: Pro, Pro X, basic, Pro XL, SKY and Pro XL SKY.

Technical data

The product has no external connection facilities.

The data logger is powered by battery type ELLAB TSB-BAT-150 or TSP-BAT-150L.

Permitted range of the ambient temperature:	"BASIC":	-30°C to +105°C
	"Pro":	-50°C to +105°C
	"SKY" and "PRO X":	-60°C to +105°C
	"Pro XL SKY" and "Pro XL"	-55°C to +105°C

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
1792/A/1	16-09-2021	0	Initial issue of the Prime Certificate
5068/A/1	31-01-2024	1	Minor design revisions
5068/A/1	05-03-2024	2	Minor certificate corrections

14.2 Compliance Drawings:

Issue 0

Title:	Drawing No.:	Rev. Level:	Date:
SDL_Pro3_PU20170107	2021-09-03	4	TS Pro – ATEX Schedule Drawing List

Issue 1

Title:	Drawing No.:	Rev. Level:	Date:
SDL_Pro3_PU20170107	2024-01-12	4	TS Pro – ATEX Schedule Drawing List

Certificate: **ExVeritas 21UKEX1042X**

Issue 2

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Schedule

15 Specific Conditions of Use

15.1 Special Conditions for Safe Use

- The battery must only be replaced with battery delivered by ELLAB type: ELLAB TSB-BAT-150 or TSP-BAT-150L.
- The battery must only be changed in non-hazardous area.
- The TrackSense version mounted with the optional SKY module for RF communication cannot be used in Category 3, where combustible Dust is present.
- When TrackSense is mounted with the optional SKY or Pro XL SKY module and it is to be installed in Zone 0 where IIC gases are present, the module shall be earthed.
- The different sensors that can be mounted are classified as "Simple apparatus". For flexible sensors of plastic materials, the maximum surface area must not exceed 400 mm². Alternatively, for long sensors the maximum diameter must be limited to 1 mm.
- The ambient pressure under which the TrackSense may be operated is 10 Bar.
- Ambient temperature area:

"BASIC":	-30°C to +105°C
"PRO":	-50°C to +105°C
"SKY" and "PRO X":	-60°C to +105°C
"Pro XL SKY" and "Pro XL"	-55°C to +105°C

15.2 Routine tests

- None

16 Essential Health and Safety Requirements (Regulations Schedule 1)

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform ExVeritas of any modifications to the design of the product described by this schedule.

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Issue **2**

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