

1 **EU - Type Examination Certificate**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 18 ATEX 180411 X Issue: 3

4 Equipment: TrackSense Pro® - data logger

5 Manufacturer: Ellab A/S

6 Address: Trollesmindeallé 25
3400 Hillerød
Danmark

7 This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 ExVeritas, Notified Body number 2804 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive


9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this report:

EN IEC 60079-0: 2012 EN 60079-11: 2012 EN 60079-26: 2015

10 If the sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as the basis for certification of an equipment or protective system.

11 This EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified component in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

12 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)



On behalf of ExVeritas

Peter Lauritzen
Managing Director

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Schedule

13 Description of Equipment or Protective System

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	2018-12-20	0	Initial issue of the Prime Certificate
1792/A/2	2021-09-16	1	Transfer to DANAK accreditation and standard update
5068/A/1	31-01-2024	2	Minor design revisions
5068/A/1	05-03-2024	3	Minor corrections in certificate

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 2

Number	Date	Issue	Description
SDL_Pro3_PU20170107	2024-01-12	4	TS Pro – ATEX Schedule Drawing List

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15 Conditions of Certification

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 Conditions for Use None

16 Essential Health and Safety Requirements

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 the Notified Body of any modifications to the design of the product described by this schedule.

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