



1 EU-TYPE EXAMINATION CERTIFICATE

- 2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/UE
- 3 EU-Type Examination Certificate number **LOM 18ATEX1094** issue **0**
- 4 Product Temperature measurement system  
Type VIATERBLE
- 5 Manufacturer Electricidad Viala, S.L.
- 6 Address Avenida Alexandre VI, nº 5  
Polígono Industrial Torrubero  
46136-Museros (Valencia)  
SPAIN
- 7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Laboratorio Oficial J.M. Madariaga (LOM), Notified Body number 0163, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.  
The examination and test results are recorded in confidential Report No **18.300W**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
: Standards **EN 60079-0:2011 + A11:2013** **EN 60079-11:2012** **EN 60079-31:2014**  
except in respect of those requirements listed at item 18 of the schedule.
- 10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- 11 This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- 12 The marking of the product shall include the following:  
*See schedule*

Getafe,  
Digitally signed by:

Certification Committee

RCPCR 25.7/4

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# LABORATORIO OFICIAL J. M. MADARIAGA

## 13 SCHEDULE

14 EU-Type Examination Certificate number: **LOM 18ATEX1094**

## 15 Description of product

The VIATERBLE set is a wireless temperature measurement system in vertical silos and horizontal grain stores. It consists of a temperature probe in two variants and a unit that collects the data.

The temperature probes are made with an intrinsically safe type of protection, powered by a built-in battery. There are two variants of temperature probes, a so-called "lance" model that is inserted manually into horizontal storage piles, and a "pod" model intended for fixed installation in vertical silos.

The unit that collects the data from the probes, called "scanning node", is based on a box with a protection by enclosure type of protection with external power and connections for wired communications. The communication between the node and the probes is wireless.

### Marking

Temperature sensors

Scanning node



II ID Ex ia IIC T135°C Da



II 2D Ex tb IIC T85°C Db

16 Report number **18.300W**

## 17 Specific conditions of use

None

## 18 Essential Health and Safety Requirements

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9.

## 19 Drawings and documents

Number	Sheets	Issue	Date	Description
MD_VTB	16	1.0	2018-11-07	Technical description
BOM_STI	1	2.02	2017-07-13	Bill of materials
ESQ_STI	1	1.0	2017-07-14	Electrical schematic
PCBB_STI	1	1.0	2017-07-14	PCB drawing
PCBT_STI	1	1.0	2017-07-14	PCB drawing
PCB11_STI	1	1.0	2017-07-14	PCB drawing
PCB12_STI	1	1.0	2017-07-14	PCB drawing
PCBCT_STI	1	1.0	2017-07-14	PCB drawing
PCBCB_STI	1	1.0	2017-07-14	PCB drawing
PMLA_STI	7	1.0	2018-03-15	Mechanical drawing
PCBR_STI	4	1.0	2017-05-05	Mechanical drawing
PMCV_STV	5	1.0	2018-11-07	Mechanical drawing
PMC_NE	6	1.0	2018-10-17	Mechanical drawing
PMALA_STI	1	1.1	2018-11-05	Marking drawing
PMV_STI	1	1.1	2018-11-05	Marking drawing
PM_NE	1	1.1	2018-11-05	Marking drawing
MI_VTB	7	1.0	2018-11-07	User's manual



1 SUPPLEMENTARY EU-TYPE EXAMINATION CERTIFICATE

2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU

3 EU-Type Examination Certificate Number LOM 18ATEX1094/1 issue 0

4 Product Temperature measurement system  
Type VIATERBLE

5 Manufacturer Electricidad Viala, S.L.

6 Address Avenida Alexandre VI, nº 5  
Polígono Industrial Torrubero  
46136-Museros (Valencia)  
SPAIN

7 This supplementary certificate extends EU-Type Examination Certificate No. LOM 18ATEX1094 to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 Laboratorio Oficial J.M. Madariaga (LOM), Notified Body number 0163 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, 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 Annex II to the Directive.

Getafe,  
Digitally signed by:

Certification Committee

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# LABORATORIO OFICIAL J. M. MADARIAGA

## 13 SCHEDULE

14 Supplementary EU-Type Examination Certificate Number **LOM 18ATEX1094/1**

### 15 Description of the variation to the Product

An optional material for the enclosure is incorporated for the manufacturing of the lance model temperature sensor. This material consists of fiberglass, resin and an additive to increase electrical conductivity

16 Report Number 19.484K

### 17 Specific Conditions of Use

No changes

### 18 Essential Health and Safety Requirements

No changes

### 19 Documents and drawings

Number	Sheets	Issue	Date	Description
MD_VTB	14	1.1	2019-07-05	Technical description