



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX KTL 12.0008X**

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Certificate history:

Status: **Current**

Issue No: 3

Issue 2 (2018-11-22)

Issue 1 (2017-04-24)

Issue 0 (2012-08-01)

Date of Issue: 2022-06-15

Applicant: **KLT Co., Ltd.**
34-12, Bangchon-ro 955beon-gil, Tanhyeon-myeon, Paju-si
Gyeonggi-do 10857
Korea, Republic of

Equipment: **Automatic Single Point Lubricators (Pulsarlube E)**

Optional accessory:

Type of Protection: **Intrinsic safety "i"**

Marking: **Ex ia IIC T4 Ga**

Approved for issue on behalf of the IECEx
Certification Body:

Park, Jong-koo

Position:

Certification manager

Signature:
(for printed version)

Date:
(for printed version)

2022-06-15

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

Korea Testing Laboratory
87, Digital-ro, 26-gil, Guro-gu
Seoul
Korea, Republic of





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Manufacturer: **KLT Co., Ltd.**
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Gyeonggi-do 10857
Korea, Republic of

Manufacturing locations: **KLT Co., Ltd.**
34-12, Bangchon-ro 955beon-gil,
Tanhyeon-myeon, Paju-si
Gyeonggi-do 10857
Korea, Republic of

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

KR/KTL/ExTR12.0007/01

KR/KTL/ExTR12.0007/02

KR/KTL/ExTR12.0007/03

Quality Assessment Report:

KR/KTL/QAR10.0002/08



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Pulsarlube E is an intrinsic safety automatic single point lubricator for extending the life of the bearing in a manufacturing process. The Pulsarlube E operates on the principle of electrochemical reaction which generates inert nitrogen gas through the use of an electrolyte and electrical energy. The Pulsarlube E has options that selecting five different preset dispensing rates from 1 to 12 months by means of choosing the built-in resistance value.

Power is provided by two Alkaline (MnO₂) batteries (Energizer E91 or Duracell MN1500, AA size, Max. 1.65 V each) connected in series.

The model name is categorized by each product capacity.

<Pulsarlube E>

E60 - Grease Capacity(cc) : 60

E120 - Grease Capacity(cc) : 120

E240 - Grease Capacity(cc) : 240

Ambient temperature : -20 °C to +55 °C.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1) Warning – Potential electrostatic charging hazard – see instructions.

The non-metallic parts incorporated in the enclosure of the equipment may generate an ignition capable level of electrostatic charge. Therefore, the equipment shall not be installed in a location where the external conditions can result in the built-up of electrostatic charge on such surfaces. Additionally, the equipment shall only be cleaned with a damp cloth.

2) Warning - Do not change internal batteries – see instructions.

The internal batteries shall not be changed nor replaced.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 0: Initial Assessment

Issue 1:

1. The construction of the protector and the battery cover has been modified.
2. The construction and the material of the housing cap, the basement and the mode selector have been changed.
3. GHS (Globally Harmonized System) warning has been added to the marking label.
4. Addition of an alternative battery (Duracell MN1500)
5. Assessment according to the new version of standards, IEC 60079-0:2011 and IEC 60079-11:2011

Issue 2:

1. The construction and the material of the housing cap have been modified.
2. The construction and color of the battery cover have been modified.
3. Minor modification of several mechanical parts without adversely affecting the intrinsic safety of the equipment

Issue 3:

1. The material of the housing cap and the reservoirs has been newly added.
2. The address of the manufacturing location has been changed.
3. Update of IEC 60079-0 standard to the latest edition, IEC 60079-0:2017(Ed.7)
4. Minor modification of several mechanical parts to correct dimension's errors without adversely affecting the intrinsic safety of the equipment
5. Addition of labels and a user manual for a new distributor, Alemlube