

## Supplement Nr: 02

## EU-Type Examination Certificate

(1)

(2) Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres

Directive 2014/34/EU

(3) EU – Type Examination Certificate Number: IEP 11 ATEX 114X

(4) Product: LS Ex X Type Magnetic Level Control Gauge

(5) Firm Name: KAYSE Endüstriyel Mamüller San. ve Tic. A.Ş.

(6) Firm Address: TEPEOREN İTOSB MAH/SEMT 7. CAD. NO: 4 TUZLA/ İstanbul, TÜRKİYE

(7) This product and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of 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 Nr: IEP.Rp.Ex.10-442-1 date 02.09.2022

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

EN IEC 60079-0 : 2018 , EN 60079-1:2014 , EN ISO 80079-36 : 2016

(10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe 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 in accordance to the directive 2014/34/EU. 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 equipment or protective system shall include the following:

II 2G Ex db IIA T6 Gb  
II ½ G Ex h IIA T6 Ga/Gb

Responsible Person:

Nurettin Terzioglu  
Head of Certification Body

Supplement 02 Date of Issue : 10.10.2022







# IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule

(14) Certificate Nr: **IEP 11 ATEX 114X**

(15) Description of Equipment:

LS Ex X type magnetic level control gauge devices are designed to monitor and control the level status of the stored fluids or compressed substances. LS Ex X type magnetic level control gauge is used for point level detection of liquids in the IIA gas group.

The parts and materials that are used in the LS Ex X type magnetic level control gauge have been determined in the Exploded Pictures and C11.LS20Ex2 of date 06.01.2012

The d Explosion-proof protection type junction box which is suitable for EN 60079-0, EN 60079-1 in LS Ex X type magnetic level control gauge is used.

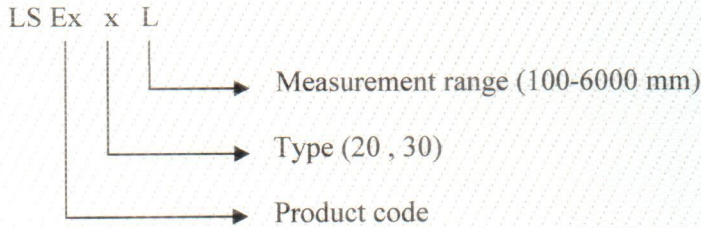
Junction box IP protection class is IP 66, Level switch housing is IP 67 to use in zone 1. Float is used in zone 0

LS Ex X type magnetic level control gauge has been evaluated as 0 and 1 that be used danger area determined in the EN 60079-10-1 standard.

## Technical data sheet:

Product type	: LS Ex
Pressure	: 10/16 Bar
Measurement	: 100-6000 mm
Ambient temperature	: -20 °C ~ 50 °C
Operating liquid temperature	: 80 °C
Electrical parameters (Out put signal )	: (4-20) mA ; (0-24) V DC ; Electrical dry contact

## Product Code System



## Responsible Person:

Nurettin Terzioglu  
Head of Certification Body







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(16) Schedule

(17) Certificate Nr: **IEP 11 ATEX 114X**

(18) Essential Health and Safety Requirements :

**18.1** Are included in standards , which are mentioned in clause (9) of this certificate. The products were approved in accordance with above mentioned standards and manufacturer's instruction.

**18.2** At the installation and the operation of the equipment have to be observed manufacturer's manual dated 01.06.2022 and 15 pages.

(19) Special conditions for safe use

Assembly and working of LS Ex X type magnetic level control gauge with other related equipments must be adapted to national regulations.

X Means: The maintenance and inspection of the equipment should be carried out by the authorized person or authorized organization in accordance with the user manual and relevant standards.

(20) List of documentation;

Drawing Nr ;	Drawing name	Date ;
◆ C 11.LS20Ex2	Exploded picture	06.01.2012
◆ C 11.LSexGNL	General sizes	09.01.2012
◆ C 11.26.09.04	Electrical Connection diagram (Junction box)	09.05.2012
◆ C 11.09.01.03	Label technical sheets	09.01.2012
◆ C 11.06.01.02	Connection (Box and probe)	06.01.2012
◆ C 11.09.01.02	LS Type stopper	09.01.2012
◆ C 11.06.01.01	Connection NPT	06.01.2012
◆ C 11.06.01.02	Connection (Box and probe)	06.01.2012
◆ C 11.09.01.01	LS type float	09.01.2012
◆ C11. 06.01.02	LS type plug	05.05.2012
◆ User manually Page :3.4.5/14	Mounting details diagram	05.01.2012
◆ User manually Page :6/14	LS20 Electrical wiring diagram	06.07.2007
◆ User manually Page :9/14	LS30 Electrical wiring diagram	18.05.2009
◆ User manually Page :10/14	LS30 Electrical wiring diagram (external)	06.07.2009
◆ User manually Page :11/14	LS30 Electrical wiring diagram (internal box)	18.05.2009

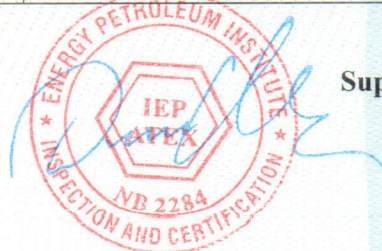
For the validity of analysis type certificate, the parts that are used in LS Ex X type magnetic level control gauge is determined in confirmed the Exploded Pictures and list C11.LS20Ex of date 06.01.2012.

## Certificate History;

Supplement Nr	Supplement Date	Summary Description of Variation
02	10.10.2022	Standard Revision (EN 60079-1:2014)
01	06.09.2022	Upgrade to ATEX directive 2014/34/EU , Standard Revision (EN IEC 60079-0 : 2018 , EN ISO 80079-36 : 2016)
00	23.08.2012	First issue of certificate

Responsible Person:

Nurettin Terzioğlu  
Head of certification body



Supplement 02 Date of Issue : 10.10.2022

