

Supplement No: 1

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 14 ATEX 0222**(4) Product: **AU 22 and EG 11 Type Level Devices**(5) Firm Name: **HACI AYVAZ Endüstriyel Mamuller Sanayi ve Ticaret A.Ş.**(6) Firm Address: **Atatürk O.S.B. Mustafa İnan Cad. No:44 34555 Hadımköy İstanbul -TURKEY**

(7) This product 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.10-596-1 date 14.05.2019.

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

EN 60079-0:2013 , EN 60079-1:2014 , EN 60079-18:2015 , 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 ½ G Ex ma/db IIA T6 Ga/Gb****Responsible Person:**Nurettin Terzioğlu
Head of Certification Body**Supplement Date of Issue : 17.05.2019**



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(13) Schedule

(14) Certificate Nr: **IEP 14 ATEX 0222**

(15) Description of Equipment;

These equipments consist of mechanical and electrical parts. EG 11 and AU 22 type level device power connection box has protection Ex d type. EG 11 and AU 22 works according to physical principles that are buoyancy force, pull and push force of electromagnetic. Magnets which are fixed to the float affect the switches and produce signal according to switches on/off positions. EG 11 and AU 22 level sensor probe IP protection is IP 68 and d type electrical connection box IP protection is IP 66. EG 11 and AU 22 type magnetic level device is used for IIA gas group. Devices are assembly out of the tank. EG 11 and AU 22 type level device is equipped with cable to use of external grounding cable 4 mm² (min) and HD 21.13.S1/HD.22.4.S4.

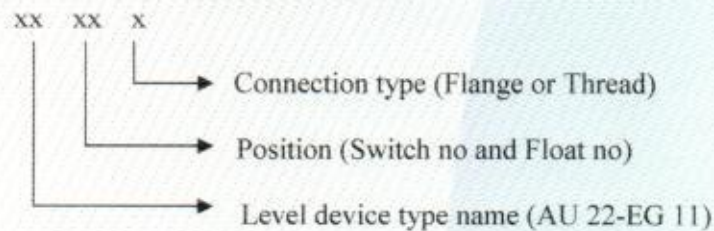
The parts and materials that are used in EG 11 and AU 22 type level devices has been determined in the EG 11 and AU 22 type level devices part list and date 17.04.2019

EG 11 and AU 22 type level device has been evaluated as 0 and 1 that be used danger area determined in the EN 60079-10-1 standard.

Technical Data Sheet;

Type	AU 22	EG 11
Diameter (mm)	16	16
Working condition	Normal open / Change over	Normal open
Switch no	1-4	prp
Float no	1-4	1
Electrical Sheets	1 A Max , 24 V DC , 220 V AC	
T _{ambient}	(-20 ~ + 50) °C	
T _{liquid}	(-10 ~ + 85) °C	

Product Code System;



Responsible Person :

Nurettin Terzioğlu
Head of Certification Body





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(16) Certificate Nr: **IEP 14 ATEX 0222**

(17) Essential Health and Safety Requirements:

17.1 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.

17.2 At the installation and the operation of the EG 11 and AU 22 type level device has to be observed manufacturer's manual 5 pages dated 08.10.2013.

(18) Special conditions for safe use

The installation and the operation of the EG 11 and AU 22 type level device has to confirm to the relevant national regulations.

(19) List of Documentation:

Drawing Nr;	Drawing Name;	Date;
AU 22	Exploded picture	30.04.2014
EG 11	Exploded picture	30.04.2014
604.110.102.011	Float pipe	02.11.2016
604.110.103.015	Float cap	06.03.2003
604.110.301.015	Float flange	23.06.2003
604.110.301.025	Connection fitting	02.11.2016

For the validity of analysis type certificate, the parts that are used in EG 11 and AU 22 type level device are confirmed in the part date 17.04.2019.

Certificate History;

Supplement N°	Supplement Date	Summary Description of Variation
01	17.05.2019	- Upgrade to ATEX directive 2014/34/EU - Conformity to standard EN 60079-0:2013, EN 60079-1:2014, EN 60079-18:2015 - Update to new edition of EN ISO 80079-36:2016
00	28.05.2014	First issue of certificate

Responsible Person:

Nurettin Terzioğlu
Head of Certification Body



Supplement Date of Issue : 17.05.2019