

## Supplement No: 1

## (1) EU-Type Examination Certificate

## (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 0213

(4) Product: MG33 and MG33S Type Magnetic Level Gauges

(5) Firm Name: HACI AYVAZ Endüstriyel Mamuller San. ve Tic. A.Ş.

(6) Firm Address: Atatürk OSB Mustafa İnan Cad. No:44 Hadımköy / İstanbul - TURKEY

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents there in 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.10-587-1 date 24.12.2018.

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

EN ISO 80079-36 : 2016 , EN ISO 80079-37 : 2016

(10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions for 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:



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Responsible Person:

Nurettin Terzioğlu  
Head of Certification Body

Supplement Date of Issue: 28.12.2018





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(13) Schedule

(14) Certificate Nr: IEP 14 ATEX 0213

(15) Description of Equipment;

These equipments consist of mechanical parts. MG33 and MG33S type level gouge devices are designed to monitor and control the level status of the stored fluids or compressed. There are float in the device. Magnetic roller Indicator work with the movement of the float. Flaps is moving with magnetic system. Flap protection is IP 66. MG33 and MG33S type magnetic level gauge is used for IIB+H2 gas group. Devices are assembly out of the tank.

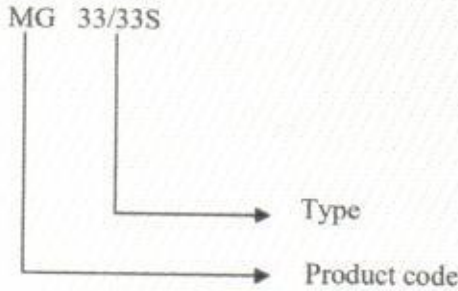
The parts and materials that are used in MG33 and MG33S type level gouge has been determined in the MG-33 mechanical part list and date 18.12.2018.

MG33 and MG33S type level gouge has been evaluated as Zone 0 and Zone 1 that be used danger area determined in the EN 60079-10-1 standard.

## Technical data sheet:

Product type	: MG33 and MG33S
Pressure	: 10/16 Bar
Measuring range	: 300-5600 mm
Density	: 0,50 gr/cm <sup>3</sup> – 1,50 gr/cm <sup>3</sup>
Ambient temperature ( °C )	: -20 ; 50

## Product Code System



## Responsible Person :

Nurettin Terzioğlu  
Head of Certification Body







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(16) Certificate Nr: IEP 14 ATEX 0213

(17) Essential Health and Safety Requirements:

17.1 Including in the standards which are mentioned in clause (9) of this certificate. The products are approved in accordance with above mentioned standards and manufacturer's instruction.

17.2 The installation and the operation of the MG33 and MG33S type level gouge must follow manufacturer's manual dated 18.12.2018.

(18) Special conditions for safe use: Assembly and working of MG33 and MG33S type level gouge with other related equipments must be adapted to national regulations.

(19) List of Documentation:

Drawing No.	Drawing Name	Date
MG33 and MG33S DN20/PN16	Exploded picture	25.04.2012
214.040.404.048	Seal plugs	21.06.2012
604.040.120.351	Float body	27.05.2005
604.040.130.049	Float cap	21.04.2005
604.040.150.050	Float spring	10.04.2013
604.040.216.020	Connection flange	10.01.2013
604.040.224.010	Discharge flange 1	01.08.2002
604.040.224.020	Discharge flange 2	21.06.2012
604.040.320.020	Cap	21.06.2012
604.040.410.020	Magnet	21.06.2012
604.040.410.030	Float magnet	02.07.2012
604.040.420.040	Body magnet	03.03.2000
604.040.430.044	Magnet part	02.07.2012
604.040.430.047	Steel collets	22.12.2004
604.040.820.025	Leg connecting pipe	14.01.2013
604.041.000.053	Index profile	03.03.2000
604.041.102.000	Handle	03.07.2012
604.010.300.110	Blind plug	06.04.2006
604.041.510.055	Washers	15.09.1999
107.211.057.201.01	Gauge pipe	14.01.2013
604.040.241.050	Connection flange	03.07.2012

For the validity of analysis type certificate, the parts that are used in MG33 and MG33S type level gouge is determined in confirmed the mechanical part list date 18.12.2018.

## Certificate History;

Supplement No	Supplement Date	Summary Description of Variation
01	28.12.2018	Upgrade to ATEX directive 2014/34/EU, Standard Update, Scope Extension (Gas Group Revision)
00	06.05.2015	First issue of certificate

Responsible Person :

Nurettin Terzioğlu  
Head of Certification Body

Supplement Date of Issue : 28.12.2018

