



[1]

EC-Type Examination Certificate

[2] **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

Directive 94/9/EC

[3] EC – Type Examination Certificate Number : **IEP 14 ATEX 0213**

[4] Equipment : **MG33 and MG33S Type Magnetic Level Gauges**

[5] Manufacturer : **HACI AYVAZ Endüstriyel Mamuller San. ve Tic. A.Ş.**

[6] Address : **Atatürk Organize Sanayi Bölgesi Mustafa İnan Cad. No:44 Hadımköy / İstanbul - TURKEY**

[7] This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] The IEP Uluslar Arası Enerji Petrol Gözetim , Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti. , notified body number 2284 in accordance with of the Council Directive 94/9/EC of 23 March 1994 certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive. The examination and test results are recorded in confidential Report N : IEP - RP.Ex - 10. 587 date 05.05.2014


[9] Compliance with Essential Health and safety requirements has been assured by compliance with ;

EN 13463-1 / 2009 , EN 13463-5 / 2011

[10] If the sign “ X “ is placed after the certificate number , it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EC-Type Examination Certificate relates only to the design examination and testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following :

 II ½ G c IIA T6

Responsible person :

Nurettin Terzioğlu
Head of certification body

Date of issue : 06.05.2014





[13] Schedule

[14] Certificate Nr : **IEP 14 ATEX 0213**

[15] Description of Equipment Protective System

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 IIA gas groupe. Devices are assembly out of the tank..

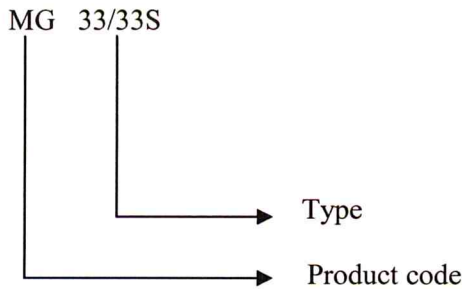
The parts and materials that are used in MG33 and MG33S type level gouge has been determined in the MG-33 mechanical part list and date 08.10.2013

MG33 and MG33S type level gouge has been evalvated as 0 and 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 ³ – 1,50 gr/cm ³
Ambiend temperature (°C)	: -20 ; 50

Product Code System



Responsible person :

Nurettin Terzioglu
Head of certification body





[16] Report Nr : IEP - RP.Ex - 10.587

Report Date : 05.05.2014

[17] 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.

[18] Essential Health and Safety Requirements :

18.1 This certificate is in the contents of standards that mentioned in item [9] It has been accepted that MG33 and MG33S type level gouge is manufactured according to the producer instructions and the standards mentioned above.

18.2 Informations of assembled working of MG33 and MG33S type level gouge with other related equipments exist in instruction user manual with 4 pages approved and date 08.10.2013

[19] List of documentation ;

➤ Drawing Nr ;	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 08.10.2013.

Responsible person ;

Nurettin Terzioğlu

Head of certification body



Date of issue : 06.05.2014

IEP Uluslar Arası Enerji Petrol Gözetim , Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti.
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