



[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 15 ATEX 0307 x

[4] Equipment : DGx/EX Model Differential Pressure Gauges, Contacted

[5] Manufacturer : PAKKENS Yedek Parça Makina Sanayi ve Ticaret A.Ş.

[6] Address : Organize Sanayi Bölgesi Sarı Cadde No:20 Bursa -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 Uluslararası 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. 733.1 date 13.05.2015


[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
II 2 D c

Responsible person :

Nurettin Terzioglu
Head of certification body



Date of issue : 02.04.2015

Date of issue : 14.05.2015 (Rev. 1)





[13] Schedule

[14] Certificate Nr : IEP 15 ATEX 0307 x

[15] Description of Equipment Protective System

The Differential Pressure Gauges, Contacted consist of the mechanical basic instruments DG x/EX Model . Body- cover :Brass , Collector : Steel (coated) or stainless steel , Diaphragm and seal :Viton ,NBR, Pointer : aluminum , Glass cover . SAN or Akrilik elements are made . All types of differential pressure gauges, contacted degree of protection is IP 66.The Differential pressure gauges, contacted are use explosive gas and dust area. The parts and materials that are used in Differential pressure gauges, contacted has been determined in the list of mechanical parts dated 11.2014

DGx/EX Differential Pressure Gauges, Contacted Technical sheets

Type		Without collector	With collector
Ambient Temperature	T_A (°C)	-20 ...+60 °C	
Max. Fluid Temperature	$T_{F \max}$ (°C)	+ 80 °C	
Overpressure class	Bar	≤ 40 bar $P_N \times 1,25$; > 40 bar $P_N \times 1,15$	
IP XY Degree of Protection	IP	IP 66	
Measurement interval	mbar	0-200, 0-300, 0-600, 0-1000, 0-2000	
Connection	-	BSPP, BSPT, NPT, M	
Accuracy Class	CI	CI ± 10 %	
DGx / EX		x : Pakkens code	

[16] Essential Health and Safety Requirements :

16.1 This certificate is in the contents of standarts that mentioned in item [9] It has been accepted that of Differential pressure gauges, contacted are manufactured according to the producer instructions and the standards mentioned above.

16.2 Informations of assembled working of differential pressure gauges, contacted with other related equipments exist in instruction manual with 2 pages approved and date 11.2014 . Item nr [3] . 0307 x : This equipment works with pressure system. Should be according to the connection installation instructions.

[17] List of documentation :

Hazard analysis report : Total 2 page and date 02.11.2014

Declaration of conformity : 1 page and date 11.14

Test reports : Total page 4 and date 02-06 .02.2015

Marking label : 1 page and dated 11.2014

Drawing Nr ;	Drawing Name;	Date ;
0595 00 00 00	Front View	11.2014
0595 00 00 00	Side View	11.2014
0595 00 00 00	Connection diagram	11.2014

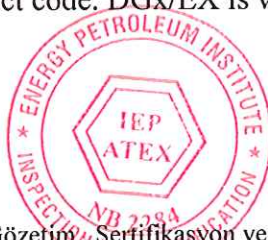
For the validity of analysis type certificate , the parts that are used in differential pressure gauges, contacted are determined in confirmed list of mechanical part and 11.2014 dated. Revision 1 description : It is related to the revision of the product code. DGx/EX is written instead of DPG80x/EX.

Responsible person :

Nurettin Terzioğlu
Head of certification body

Date of issue : 02.04.2015

Date of issue : 14.05.2015 (Rev. 1)



IEP Uluslar Arası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti.
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Number of Pages : 2 / 2

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