

Supplement Nr: 05
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 0209X**(4) Product: **Pressure Gauges****Models: XXX101Y, XXX111Y, XXX131Y, XXX151Y, XXX161Y
XXX201Y, XXX211Y, XXX231Y, XXX251Y, XXX261Y**(5) Firm Name: **PAKKENS Yedek Parça Makina Sanayi ve Ticaret A.Ş.**(6) Firm Address: **Minareliçavuş Bursa OSB Mah. Sarı Cad. No:50 Bursa - TÜRKİYE**

(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.10-576-5 date 28.09.2023.

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

EN ISO 80079-36:2016 and 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 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 h IIC T3 Ga/Gb
II 2D Ex h IIIC T3Db****Responsible Person:****Nurettin Terzioglu**
Head of Certification Body**Supplement 05 Date of Issue : 02.10.2023****IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.**
5746/1 Sok. No:9 K:2Bornova - IZMİR / TURKEY**Tel: +90 232 431 17 45 –46 Fax : +90 232 431 17 30 E-mail: iep@iep.com.tr Fr:45****This certificate is granted subject to the general conditions of the IEP Energy Petroleum Institute. This certificate may only be reproduced in its entirety and without any change, schedule included. You can check accuracy of this document by www.iep.com.tr.**



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(13) Schedule

(14) Certificate Nr: **IEP 14 ATEX 0209X**

(15) Description of Equipment;

The Pressure gauges consist of the mechanical basic instruments of XXX101Y, XXX111Y, XXX131Y, XXX151Y, XXX161Y, XXX201Y, XXX211Y, XXX231Y, XXX251Y, XXX261Y model. Nominal size 63, 100 and 160 mm of the pressure gauges. Body, cover and connection elements are made of stainless steel, Pointer is made of stainless steel and aluminum. All types pressure gauges' degree of protection is IP 65. Transparent glasses were made tempered and heat-resistant or transparent plastic material. Seal is made NBR or EPDM material.

The parts and materials that are used in XXX101Y, XXX111Y, XXX131Y, XXX151Y, XXX161Y, XXX201Y, XXX211Y, XXX231Y, XXX251Y, XXX261Y models pressure gauges has been determined in the list of mechanical parts dated 20.10.2016.

XXX101Y, XXX111Y, XXX131Y, XXX151Y, XXX161Y, XXX201Y, XXX211Y, XXX231Y, XXX251Y, XXX261Y Models, Pressure Gauges is used as Zone 0 and 20 that be used danger area determined in the EN 60079-10-1/2 standard.

Code System

Code	Model (Stainless steel)PG	Without liquid filling	With liquid filling	Safety type Without liquid filling	Safety type With liquid filling
XXX 101Y/ XXX 201Y	Bourdon tube	XXX 101 3/ XXX 201 3	XXX 101 4/ XXX 201 4	-	-
XXX 111Y/ XXX 211Y		XXX 111 3/ XXX 211 3	XXX 111 4/ XXX 211 4	XXX 111 5/ XXX 211 5	XXX 111 6/ XXX 211 6
XXX 131Y/ XXX 231Y	Capsule	XXX 131 3/ XXX 231 3	XXX 131 4/ XXX 231 4	-	-
XXX 151Y/ XXX 251Y	Diaphragm	XXX 151 3/ XXX 251 3	XXX 151 4/ XXX 251 4	-	-
XXX 161Y/ XXX 261Y	Differential	XXX 161 3/ XXX 261 3	-	-	-

Technical Sheets

Without liquid filling	Ambient temperature Ta (°C) Fluid temperature Max Tf (°C)	Ta = (-20 ; + 60) °C Tf = 200 °C
With liquid filling	Ambient temperature Ta (°C) Fluid temperature Max Tf (°C)	Ta = (-20 ; + 60) °C Tf = 100 °C
IP XY Degree of Protection		IP 65
Ø Diameter (mm)		63 , 100 , 160
Connection System		BSPP ; BSPT ; NPT ; M
Pressure Range (Bar)		-1 ... 1000

(IEP 14 ATEX 0209 X)X Means: It must be installed by authorized persons in accordance with the standard and user manual.

(16) Special conditions for safe use: The installation and the operation of XXX101Y, XXX111Y, XXX131Y, XXX151Y, XXX161Y, XXX201Y, XXX211Y, XXX231Y, XXX251Y and XXX261Y Model Pressure Gauges have to confirm to the relevant national regulations.

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body



IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Sirketi
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(17) Certificate Nr: **IEP 14 ATEX 0209X**

(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 of Pressure Gauges are manufactured according to the producer instructions and the standards mentioned above.

18.2 Information's of assembled working of Pressure Gauges with other related equipment exist in instruction manual with 4 pages approved and date 31.08.2023.

(19) List of Documentation:

- ♦ Component lists : 11 pages, dated 20.10.2016
- ♦ Mounting pictures and technical drawings : 4 pages, dated 10.2016
- ♦ Risk analysis report: Total 17 pages, date -12.2013(EN 837-1 and EN ISO 80079-36, 3 pages 31.08.2023)
- ♦ Test reports for 4 types : Total page 12 and date 17.03.2014
- ♦ Safety labels drawing and explanation Nr : 010314-123456/1 new label 1 page and date 31.08.2023
- ♦ Drawings;

XXX 111 3 and XXX 111 4	General view (Front , Side and Back)	12.2013
100 111 3/4	Horizontal and vertical	02.2014
160 111 3/4	Horizontal and vertical	12.2013
063 111 3/4	Horizontal and vertical	02.2014
XXX 111 5 and XXX 111 6	General view (Front , Side and Back)	12.2013
100 111 5/6	Horizontal and vertical	01.2014
100 111 5/6 4	Horizontal and vertical	02.2014
160 111 5/6 4	Horizontal and vertical	02.2014
160 111 5/6	Horizontal and vertical	02.2014
XXX 131 3 and XXX 131 4	General view (Front , Side and Back)	12.2013
100 131 3/4	Horizontal and vertical	01.2007
160 131 3/4	Horizontal and vertical	11.2008
XXX 151 3 and XXX 151 4	General view (Front , Side and Back)	12.2013
100 151 3/4	Horizontal and vertical	07.2011
160 151 3/4	Horizontal and vertical	02.2011
XXX 161 3	General view (Front , Side and Back)	12.2013
100 161 3/4	Horizontal and vertical	01.1998
XXX 101Y / XXX 201 Y	General view (Front , Side and Back)	09.03.2018
XXX 111Y / XXX 211 Y	General view (Front , Side and Back)	09.03.2018
XXX 131Y / XXX 231 Y	General view (Front , Side and Back)	10.2016
XXX 151Y / XXX 251 Y	General view (Front , Side and Back)	10.2016
XXX 151Y / XXX 251 Y	General view (Front , Side and Back) sealing by o-ring	10.2016
XXX 151Y / XXX 251 Y	General view (Front , Side and Back) sealing by welding	10.2016
XXX 161Y / XXX 261 Y	General view (Front , Side and Back)	10.2016

For the validity of analysis type certificate, the parts that are used in XXX101Y, XXX111Y, XXX131Y, XXX151Y, XXX161Y, XXX201Y, XXX211Y, XXX231Y, XXX251Y, XXX261Y Models Pressure Gauges are determined in confirmed list of mechanical parts dated 20.10.2016.

Certificate History;

Supplement Nr	Supplement Date	Summary Description of Variation
05	02.10.2023	Standard change
04	12.04.2018	New model glass and seal addition
03	21.08.2017	Addition drawing number and description
02	14.08.2017	Revision and addition of model XXX151Y, XXX251Y sealing by o-ring
01	27.10.2016	New model addition; (XXX101Y , XXX201Y, XXX211Y, XXX231Y, XXX251Y, XXX261Y)
00	26.03.2014	First issue of certificate

Responsible Person:
Nurettin Terzioglu
Head of Certification Body

Supplement 05 Date of Issue : 02.10.2023



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