

**UNITED KINGDOM CONFORMITY ASSESSMENT
UK TYPE EXAMINATION CERTIFICATE**

**Product Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1**

Type Examination Certificate Number: **ExVeritas 21UKEX0878X** Issue: **0**

Product: **PQ Series Gas Detectors**

Manufacturer: **Prosense Teknoloji San Ltd Şti**

Address: **Cumhuryet M. Mermer S. No:16,34876,
Kartal, Istanbul, Turkey**

This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

ExVeritas Limited Approved Body number 2585, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), 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 Schedule 1 of the Regulations.

Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0: 2018

EN 60079-1:2014

Except in respect of those requirements listed at section 16 of the schedule to this certificate.

If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

This TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the equipment shall include the following:



II 2G

Ex db IIC T6 Gb

I M2

Ex db I Mb

T_{amb} -40°C to +70°C



No. 8613

On behalf of ExVeritas



S Clarke CEng MSc FIET
Managing Director

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The status of this certificate can be verified at www.exveritas.com

For help or assistance relating to this certificate, contact info@exveritas.com.

ExVeritas, Units 16-18, Abenbury Way, Wrexham Industrial Estate, Wrexham, United Kingdom LL13 9UZ.

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13 Description of Product

The PQ Series Gas Detectors are constructed from a threaded aluminium or 316L stainless steel Junction Box that can be fitted with either a solid (PQN) or glassed windowed (PQD) cover. There are four optional entries for the fitment of power and data cables and a gas sensing head. Thread forms can be chosen between ½", ¾" NPT and M20 for the cable entries and ¾" NPT for the gas sensing head.

The PQ Gas Detector is intended to detect the presence of flammable and toxic gases in air or oxygen. They are powered by 12-24 Vdc providing a 4-20 mA, RS485 or dry contacts with optional relay board signal proportional to the respective gas concentration. The Junction Boxes house the electronics assemblies, a display and various status indicators viewed through the glass window and optional relay board. Complete codes and characteristics of detectors are reported in the manual. The identification code is reported on the label fixed on the sensor and on the enclosure.

Rating: 12 to 24Vdc, 4Watt (max)

14 Descriptive Documents

14.1 Associated Report and Certificate History:

Report Number	Cert Issue Date	Issue	Comment
R3158/A/1	20 Jul 2021	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings:

Issue 0

Title:	Drawing No:	Sheets	Rev. Level:	Date:
Junction Box	PQ TD6	1 of 1	1.4	12.04.2019
PQ Series product Label	TF3	2 of 2	3.1	21.06.2021
PQ TD6 Junction Box SS 1	PQ TD6 SS 1	1 of 1	1.0	19.02.2019
PQ TD6 Junction Box SS 2	PQ TD6 SS 2	1 of 1	1.0	19.02.2019
PQ TD3 PQN Junction Box Cover SS	PQ TD3 SS	1 of 1	1.0	19.02.2019

15 Specific Conditions of Use

15.1 Special Conditions for Safe Use

- Flame-paths must not be repaired
- Equipment must only be fitted with suitably certified sensor head to maintain integrity of the Ex d enclosure wall.

15.2 Routine tests

- Equipment must only be fitted with suitably certified sensor head to maintain integrity of the Ex d enclosure wall.

16 Essential Health and Safety Requirements (Regulations Schedule 1)

Essential Health and Safety Requirements are addressed by the standards listed in section 9 and where required the report listed in section 14.1

The manufacturer shall inform ExVeritas of any modifications to the design of the product described by this schedule.

Certificate: **ExVeritas 21UKEX0878X**

Issue **0**

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