

1 EU - Type Examination Certificate

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: ExVeritas 18 ATEX 0371X Issue: 0

4 Equipment: PQ Series Gas Detectors

5 Manufacturer: Prosense Teknoloji San Ltd Şti

6 Address: Yukarı Mah.
Harman Sok No:42,
34860, Kartal
Istanbul, Turkey

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 ExVeritas, Notified Body number 2585 in accordance with Article 17 of the Council Directive 2014/34/EU of 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the Directive

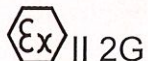
9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with the following Standards and section 16 of this certificate:

EN 60079-0: 2018 EN 60079-1: 2014

10 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.

11 This EU-Type Examination Certificate relates only to the design, construction, examination and tests of the specified equipment or protective system in accordance to the Directive 2014/34/EU. 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 shall include the following:



Ex db IIC T6 Gb

Tamb -20°C to + 70°C



No. 8613

On behalf of ExVeritas

S D Henin
Certification Manager

This certificate may only be reproduced in its entirety and without any change, schedule included.

The certificate is only valid when it carries an original signature.

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.

ExVeritas® is a registered trademark, unauthorised use will lead to prosecution.

Schedule

13 Description of Equipment or Protective System

The PQ Series Gas Detectors are constructed from a threaded aluminium 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
R1467/A/1	23 Oct 2018	0	Initial issue of the Prime Certificate

14.2 Compliance Drawings: **Issue 0**

Title:	Drawing No:	Sheets:	Rev. Level:	Date:
Overall Drawing	PQ TD1	1 of 1	1.1	4.10.2018
PQD Sight Glass	PQ TD2	1 of 1	1.1	4.10.2018
PQN Junction Box cover	PQ TD3	1 of 1	1.1	4.10.2018
PQD Junction Box Cover	PQ TD4	1 of 1	1.1	4.10.2018
PQD Sight Glass cover disk	PQ TD5	1 of 1	1.1	4.10.2018
Junction Box	PQ TD6	1 of 1	1.1	4.10.2018
PQ Series product Label	TF3	1 of 1	01	11.10.2018

15 Conditions of Certification

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 Conditions for Use/Conditions of Manufacture

- 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

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 the Notified Body of any modifications to the design of the product described by this schedule.

Certificate: ExVeritas 18 ATEX 0371X Issue 0

This certificate may only be reproduced in its entirety and without any change, schedule included.

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.

ExVeritas® is a registered trademark, unauthorised use will lead to prosecution.