



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx EXV 18.0021X

Issue No: 0

Certificate history:

[Issue No. 0 \(2018-10-23\)](#)

Status: **Current**

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Date of Issue: **2018-10-23**

Applicant: **Prosense**
Prosense Teknoloji San Ltd Şti
Yukarı Mah.
Harman Sok No:42,
34860, Kartal
Istanbul
Turkey

Equipment: **PQ Gas Detectors**

Optional accessory:

Type of Protection: **Flameproof**

Marking:
Ex db IIC T6 Gb

*Approved for issue on behalf of the IECEx
Certification Body:*

Stephen D'Henin

Position:

Certification Manager

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

ExVeritas Limited
Units 16-18 Abenbury Way
Wrexham Ind. Est.
Wrexham LL 139UZ
United Kingdom





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Manufacturer: **Prosense**
Prosense Teknoloji San Ltd Şti
Yukarı Mah.
Harman Sok No:42,
34860, Kartal
İstanbul.
Turkey

Additional Manufacturing location(s):

These products may be

manufactured at any Prosense Facility listed on Quality Assessment Report GB/EXV/QAR 18.0006 that has been audited for the manufacture of the type of protection listed

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1 : 2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[GB/EXV/ExTR18.0023/00](#)

Quality Assessment Report:

[GB/EXV/QAR18.0006/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The PQN/PQD 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)

SPECIFIC CONDITIONS OF USE: YES as shown below:

Special Condition

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.

Condition of Manufacturer

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

Annex:

[IECEx EXV 18.0021X Issue 0 Annex.pdf](#)

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