



Physical-Technical Testing Institute  
Ostrava – Radvanice

## Type Examination Certificate

about verification of electrical apparatus used for the detection and measurement of toxic and combustible gases in car parks and tunnels

Type Examination Certificate number:

# FTZÚ 18 E 0001

Product: **Gas detector type PPS+CO**

Manufacturer: **PROSENSE TEKNOLOJİ SAN. LTD.ŞTİ**

Address: **Yukarı Mah. Harman Sokak No:42, Kartal - İstanbul, Turkey**

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

The Physical-Technical Testing Institute, Certification Body No.3051, accredited by ČIA o.p.s, Prague according to EN ISO/IEC 17065:2012, certifies that this product has been found to comply with requirements of the following clauses of standard:

**clauses 1, 2, 3, 4.1, 4.2, 4.3, 5.2, 5.3, 5.4, 5.5, 6.1, 6.2, 6.3, 6.4, 6.5, 6.6, 6.7, 6.10, 6.12, 6.13, 6.14, 6.15, 6.17, 6.19 of the EN 50545-1:2011 + A1:2016**

Manufacturer listed in the certificate is responsible for product conformity assurance in accordance with its specification (documentation) listed in this certificate and for successful performance of all specified routine tests and verification.

This certificate relates only to the verification of electrical apparatus used for the electrical apparatus used for the detection and measurement of toxic and combustible gases in car parks and tunnels. Further requirements can be applied to the manufacturing process and supply of this product. These are not covered by this certificate.

This certificate is valid till: **25.10.2023**

Responsible person:

Dipl. Ing. Lukáš Martinák  
Head of certification body



Date of issue: 25.10.2018

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This certificate is valid only for products described in this certificate and doesn't replace any other documents.  
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Schedule

Type Examination Certificate No. FTZÚ 18 E 0001

Description of product:

The product is a fixed mounting, remote gas detector with RS485 interface and 24VDC power. The product is used for detection of the gas carbone monoxide CO in the car parks and tunnels.

The product consists of one plastic enclosure with one cable gland and one mounted cylinder with the sensing element. The product includes one LED for power state indication. The access of gas to the sensing element is done through a filter by diffusion process. The internal sensing element has electrochemical principle.

The performance tests have been carried out on the product in the conditions mentioned below:

Conditions: Temperature range: -10 to +40°C  
Humidity range: 5 to 95 % RH  
Gas range: 0 to 300 ppm v/v  
Nominal voltage range: 12 to 24 VDC  
Calibration flow: 20 to 30 litres/hour  
Interfaces: RS485

The software, construction, label, marking and instruction requirements have not been evaluated and it is not covered by this certificate.

Test report No.: 18E/0001

List of support documentation:

Name:	Sheets:	Issue:	Date:
User Manual	25	01	10.2018
Leaflet PPS-CO	2	-	01.2018
Circuit diagram	4	v1.2	03.01.2018
Layout PCB	1	-	01.2018

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