Prosense

makes life safer

Prosense

Industrial Gas and Flame Detectors

Discovery and Project Planning

For areas where precautions need to be taken in the facilities, we are at your service with our expert staff in the on-site exploration, installation details and project planning stages, according to the sources of risks in the facilities.

Cabling and Installation

We are ready with our certified team to install and cabling according to the layout plan and standards in your new projects.

Commissioning and Training

After assembly, we ensure that the necessary electrical measurements and field equipment are assembled and programmed, and the necessary training is completed for technical personnel and operators to master the system, and the system is delivered in its entirety.

Calibration and Maintenance

Field equipment must be calibrated at periodic intervals specified by standards and manufacturers. We complete the calibration at the facility and certify it with TÜRKAK accreditation within the scope of TS-EN 60079-29-2. We provide maintenance services for malfunctions and general checks that may occur during the integrity and general status assessment of the system.

Prosense Assurance In Hazardous Environments

Prosense was founded in 2006 to develop electrical devices that will operate in potentially explosive environments.

It started production of devices for the detection of explosive and toxic industrial gases in 2008. Since its inception, it has always given priority to producing quality and advanced technology systems.

As a result of the research/development activities carried out in this direction, the gas detector certified with EN 50545-1 accreditation was produced by Prosense for the first time in the world.
Prosense was also the first in the world to produce the combined gas and impact detector for gas stations. Prosense's basic principle is to provide quick solutions for customer needs by using experience and technology.

Prosense manufactures detectors and control systems to detect more than 1000 industrial gases. All of these detectors are certified to comply with ATEX directives and IECEx standards.

The detectors are certified according to the EN 60079-29-1 standard, which determines the performance criteria that gas detectors used in explosive environments must meet.

Prosense also carries out studies on functional safety to ensure that businesses comply with process safety rules, and the detectors are certified at SIL-2 (SIL-3) level. Prosense follows all developments in the field closely and implements the necessary solutions in the fastest way and in accordance with the standards.

Prosense, which established and certified the IS0-9001 quality management system shortly after its establishment, makes continuous improvements by applying the quality management system in all its processes. It aims to improve quality in every field. All processes are constantly inspected by impartial organizations within the scope of OAN/OAR certificates, which are required for production in explosive environments.

Prosense is an expert manufacturer that produces solutions against all gas hazards that may occur in different environments with its PQ, PX, P, PE, PE-KAYO, PC3, BTN and PPS series gas detectors. Thanks to the solution opportunities it provides, the technology it uses and product quality, Prosense products are used safely in more than 70 countries. In terms of production diversity, Prosense is one of the largest manufacturers in the world.

Prosense was among the 100 fastest growing companies in Turkey in 2016 and 2018 and was deemed worthy of an award in this field. In 2019 and 2020, it was among the top 50 fastest growing technology companies determined by Deloitte.

Prosense

Applications

Hydrogen Industry

If the hydrogen level exceeds 4% of the volume in the zone, the general atmosphere can become explosive. It is therefore recommended that the hydrogen concentration never exceed 1% of the available volume. Adequate ventilation must be provided to keep the hydrogen level below 1%.

Oil&Gas

The oil and gas industry is extremely dangerous conditions. A large number of toxic and flammable gases are generated in oil and gas processes. Most accidents are due to gas leaks and explosions. Therefore, the industry needs high-level security systems to protect the workplace, people and the environment.
The most important part of this safety chain is gas detection systems. Gas detection systems are key to protecting people and property from these dangers

Gas Distribution

Natural gas transportation requires a complex transport system that must be safe and reliable. Natural gas passes through a complex pipeline system that includes elements such as pipes, valves, compression stations, pressure regulating stations, metering stations, pressure vessels, vibration dampers and safety valves. The distribution system is the last part of the transportation system and enables the distribution of natural gas to end-users. Gas detection is the first priority for the security of systems.

Pharmacy-Medical

Many pharmaceutical industry workers often encounter work hazards as they come into contact with chemicals, biological agents and medicines. Pharmaceutical industry workers are exposed to substances such as non-hazardous and hazardous particles, liquid pressure chemicals, liquid aerosols, and spray. Especially the connection point of gas pipes should be kept under control.

Wastewater

Water Treatment facilities prevent pollution and diseases by treating wastewater before it is released to the environment. Toxic and flammable gases are released in certain processes that are followed to purify water. They are potentially dangerous at a certain concentration. Thus, a reliable gas detection system is essential to protect personnel, facilities and the environment. The most common gas hazards in water treatment plants are: H2S, CH4, NH3, SO2, O2, and CO gases.

Steel Industry

Whether they cause acute toxicity or chronic disease, hazardous materials in the steel and metal industry pose a threat to workers' health. One of the biggest risks in steel and metal production, is exposure to high concentrations of CO. Just a few breaths of CO may be enough to cause permanent damage to the heart and nervous system and even death. Carbon dioxide (CO2) and methane (CH4) are other risky gases in this area.

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Gas Detectors and Control Panels

PQ Series

Prosense "PQ" Series fixed gas detectors have been designed and developed for the demanding conditions of the industry in order to perform continuous measurement of combustible, toxic, asphyxiate, and VOC gases in the environment. With IP65 protection class; ATEX / IECEx, SIL2 certifications, EN 60079-29: 1 performance approval and high ingress protection class, it has proved its suitability for harsh environmental conditions. Gas concentration trends for the last 8 hours can be monitored on the OLED screen, as it is recording the measurement data. PID, Pellistor, Electrochemical, Infrared, Semiconductor sensors employed PQ provides excellent output in LEL, ppm,ppb and VOL ranges. To provide the best solution to evolving industry conditions and customer demands, the PQ Series is classified as PQD (With Display) and PQN (Without Display).

PX Series

Prosense "PQ" Series fixed gas detectors have been designed and developed for the demanding conditions of the industry in order to perform continuous measurement of combustible, toxic, asphyxiate, and VOC gases in the environment. With IP65 protection class; ATEX / IECEx, EN 60079-29: 1 performance approval and high ingress protection class, it has proved its suitability for harsh environmental conditions. PID, Pellistor, Electrochemical, Infrared, Semiconductor sensors employed PQ provides excellent output in LEL, ppm, ppb and VOL ranges. With the developing industry conditions, PX Series is frequently preferred in treatment plants.

P Series

Prosense ATEX/IECEx certified "P" Series fixed gas detectors are designed and developed according to the demanding conditions found in industrial plants in order to carry out continuous measurement of toxic, explosive and oxygen gases in the air. Pellistor, Electrochemical, and Infrared sensors employed P Series detectors show excellent outputs in LEL, ppm, VOL ranges.

PE-Kayo Series

PE-KAYO Series specially designed for the Oil&Gas stations as it has multiple functions. The detector has a special accelerometer chip inside to monitor physical bumps happening on the location where the device installed along with gas measurement functions. It can generate an alarm to cut the gas and oil flow if a car or truck hits the detector or the mounted shaft. Moreover, the Catalytic sensor employed PE-Kayo shows excellent output in 0-100%LEL range.

PE Series

ATEX/IECEx certified "PE" Series ex-proof gas detectors are designed and developed to detect explosive compounds in many applications as a cost-effective solution. Catalytic sensors employed PE Series provide excellent output in 0-100%LEL.

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Gas Detectors And Control Panels

PC3 Series

PC3 Series gas detectors can reliably detect flammable, toxic, and oxygen compounds in light industrial environments. PC3 detectors are classified as Zone 2 Category 3 devices.

Safevader Series

Prosense SafeVader Series is designed and developed to detect explosive, toxic and VOC gases in safe environments. Offering various sensor technologies such as PID, Catalytic, Electrochemical, Infrared, Semiconductor, PO Series offers high accuracy in LEL, ppm, ppb and VOL values. The LCD screen on it can be easily read from any angle and provides easy configuration thanks to the user menu.

SOMA Series

Prosense SOMA Series was designed and developed to detect explosive and toxic gases in mines. It is ready to be used in the harshest environmental conditions with its IP65 protection class, along with AT EX, IECE, EN 60079-0, EN60079-1, EN60079-11 and M1 certificates. Offering various sensor technologies such as Pellistor, Electrochemical, Infrared, SOMA Series offers high accuracy in LEL, ppm and VOL values.

PPS+ Series

EN-505451 certified PPS+ Series is designed for continuously monitoring carbon monoxide, nitrogen dioxide, and LPG gases in enclosed car parks and tunnels. PPS+ Series consists PPS Manager and PPS+ Detectors. Totally, 128 PPS Series detectors can be managed by PPS Manager Control Panel.

S-DP Series

Prosense DP4 and DP8 are innovative gas control panels that meet tough industrial requirements. They allow monitoring explosive (LEL), toxic(ppm, VOL) gas contents in environments. The DP4 panel can manage up to 4xAnalog 4-20 mA signal gas detectors, while DP8 panel can manage up to 8xAnalog 4-20 mA signal gas detectors. S-DP32 Gas Control Panel is designed to manage the Prosense combustible, toxic, and oxygen gas detectors via Modbus RS485 trough one cable.

S-DPX Series

S-DPX32 Gas Control Panel is designed to manage the combustible, toxic, and oxygen gas detectors via Modbus RS485 and Analog communications. Cloud-based data acquisition provides real-time monitoring of system status using ethernet or wireless connection options. There is also a 4-20mA (analog) input on the panel to include different brands of gas detectors on the panel. Error alarm contacts can be received from the panel.

Flame Detectors

RFD 2FTN Ex-Proof UV/IR Flame Detector

RFD 2FTN Ex-Proof UV/IR Flame Detector is an ATEX certified model developed to operate in harsh industrial environments. The best price performance ratio among ATEX certified Flame Detectors can be achieved with the RFD 2FTN Flame Detector. The IR sensor used for RFD 2FTN detects flames radiating in the IR spectrum, and the UV sensor detects flames radiating in the UV spectrum. In this way, it provides great advantages to users in early fire intervention. Depending on the application, only IR sensor, only UV sensor or simultaneously UV/IR sensor can be used. Since alarm delay times can be adjusted, it will be the ideal solution for users who are tired of false alarms.

RFD 3000x Ex-Proof IR3 Flame Detector

RFD 3000x Ex-Proof IR3 Flame Detector is an FM approved and ATEX certified model developed to operate in harsh industrial environments. 3 different IR sensors are used in the RFD 3000X to detect flames emitting in 3 different IR spectrums. In this way, it can provide effective detection in a very wide range. Since alarm delay times can be adjusted, it will be the ideal solution for users who are tired of false alarms. RFD 3000X offers a 90° C viewing angle and a detection range of 60 meters.

DF1101-Ex Flame Detector

DF1101-Ex Flame Detector is intrinsically safe for Ex protected areas. A sensor measures hot carbon dioxide at a specific flame wavelength; the other two sensors measure interference radiation at other wavelengths. It is suitable for chemical production facilities, oil refineries, propane and butane filling installations, all explosion-hazardous areas where flaming fires involving carbonaceous materials can be expected. The DFB1190 base must be ordered separately.

Flame sensor FS-SOOOE

The flame sensor FS-SOOOE instantly detects ultraviolet rays present in flames and activates an external output. The weather-resistant structure of the enclosure allows for outdoor use. It can be widely used for fire prevention in areas where there is a possibility of fire. 2 sensitivity settings High and Low. 4 detection timer settings: 1 sec., 6 sec., 15 sec., 30 sec. The possibility of false alarms can be reduced. The installation can be selected from 8 levels according to the installation environment. Area masking ensures that unnecessary detections are eliminated.

Flame sensor FS-2000E

It is activated only when the sensor detects a flame (ultraviolet rays) in accordance with the detection timer. With a setting switch on the sensor, 4 different detection times can be selected. It emits an internal alarm louder than 80 dB 1 m in front of the sensor and can be turned off manually. Adjustment output. With its Form C output, the FS-2000E can be connected to a fire/safety control panel. Additionally, the output signal can be used to trigger a warning device and can also be integrated into CCTV surveillance as part of an advanced security system.

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Prosense Sampling System

There are many factors creating obstacles to monitoring gas level directly locating a detector in the required area such as temperature, humidity, dust, air flow and corrosive environments.

Prosense provides a sampling system to use in these cases to sample the gas from the area and condition it to perform continuous and accurate detection. The sampling system is a complete solution integrated with necessary detector for measurement. Prosense sampling solution is developed to ensure continuous measurement by sampling from environments where diffusion method cannot be used.

The European Standard EN 1539:2010 defines necessary safety rules and requires continous monitoring for dryers and ovens in which flammable substances are released. The nature of operation in these devices releases flammable and VOC gases/ vapours that needs ventilation. According to this standard plants equipped with a continuous monitoring system can operate up to 50%LEL gas concentration and reduce the ventilation rates.

Continuous monitoring system allows process to work stable and without interruption as necessary preventative actions can be performed at on time.

Reducing process shutdowns and maintenance costs will have a major impact on productivity. Also an operation running with a continuous monitoring system can reduce the ventilation rates and costs which provides less operational costs.

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Prosense Sampling System

1- Fuses
2- Timer
3- Thermal Control
4- Power Supply
5- Detector
6- Vacuum Pump
7- Flow Adapter
8- Filter
9- Solenoid Valve
10- Cooler
11- Main Power Input
12- Detector Connections
13- Air Out
14- Clean Air/Calibration
15- Drain
16- Air In
17- Thermostat

- **Detector**

The system has integrated Prosense PQ Series detector(s) to measure target gas/gases. Prosense manufactures a range of state of the art detectors to monitor flammable and toxic gases as well as oxygen in different measurement ranges that can adaptable for application requirements.

- **Pump**

The sampling system is an integrated structure with a pump that draws air from the environment. The pump is located behind the detector and continuously vacuum the air from the environment to be sampled.

- **Cooling**

The system includes a temperature control unit and activates a cooling fan depending on the measures' temperature on the gas pipe.

- **Filtering**

The system has a special filter to eliminate any dust, water, oil from the air sampled. Filter can be changed according to air and sampling conditions.

- **Clean Air/Calibration**

The system has two solenoid valves to manage air flow to provide clean air to the detector in necessary periods. The timer can be set based on end user requirements. Also, they can be used for calibration purposes to perform maintenance activities without making any changes on the sampling system.

Prosense Cloud Monitoring

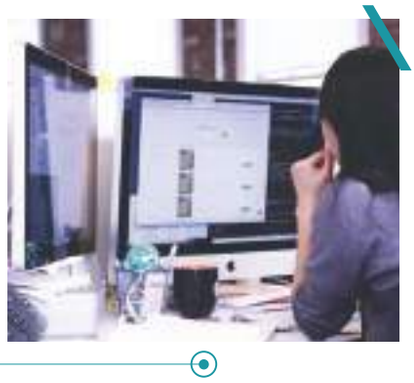
With new requirements of connectivity and remote monitoring, Prosense developed PCM: Prosense Cloud Monitoring System.

Prosense DPX series Gas Alarm Panels support cloud connection. With cloud connection, users can monitor their gas detection systems remotely at anywhere in the world.

• Real Time Monitoring
Transmitting constantly updated data about the system allows you to act quickly in emergency situations.

• Data Acquisition
Physical data received from transmitters is converted into digital numerical values by Prosense Cloud.

• Worldwide Accessibility & Easy Connection
Users can easily connect to the program from various devices from all over the world.



• Data Logging
All events related to detectors, 3rd party transmitters can be seen through the system.

• Compatible with any transmitter!
Any kinds of transmitters can be tracked through the software.

Prosense Visualization Software

PVS is a mapping and real-time local monitoring software for Prosense DPX Series Gas Alarm Panels. Users can simulate the plant/facilities in PVS software and operate in the local network without an Internet connection.

• Secured Data
The data is stored in local network.

• Local Network
The connection can be made via the local network and it does not require an internet connection.

• Real Time Monitoring
Transmitting constantly updated data about the system allows you to act quickly in emergency situations.

• Visualization
The software provides easier tracking of activities with visualization.

• Data Logging
Software is capable of sending daily or weekly event logs by emails.

• Compatible with any transmitter!
Any kinds of transmitters can be tracked through the software.

Prosense PDM Software

PDM software is an end-to-end solution for service purposes. It is designed to improve efficiency in commissioning, maintenance, and calibration services. Operators can quickly access to system's parameters, adjust the settings, and perform calibration through software. Prosense approved new calibration can be printed out after calibration is done.

• End -to-End Solution
Offers a complete functional solution to control system status and perform maintenance acitivities.

• Quick Service
It designed to provide a solution without wasting time when maintenance and calibration time comes.

• Cost Saving
Offers more services at lower costs.

• Data Logging
PDM software can be used as data logger for diagnostic purposes.

• Manufacturer-Approved Calibration Certificate
Calibrations are made through the system in a manufacturer-certified manner.

APPLICATIONS

- Oil&Gas
- **Petrochemical**
- Chemical
- **Energy**
- Electricty
- **Marine**
- LPG/LNG
- **Steel Industry**

About Company

PROTAŞ, established in 1989, is active in the design, manu facturing, sales, and after sales support of Ex-proof Electrical Materials. Manufacturing is carried out at our factory in the Balıkesir Industrial Zone since 2006, and the main office continues to serve our customers in Istanbul, Turkey. Based on our zero compro mise philosophy in quality and customer satisfaction, our processes and Products are con tinuously improved by our expert engineering and manufacturing team, resulting in PROTAŞ Products to sustain their leading position in the industry with superior electrical and mechanical properties and performance.

Quality

Quality Management System is certified with ISO 9001:2015,
and our Exproof manufacturing process is certified with EN ISO/IEC 80079-34: 2011.

PRODUCT RANGE

Group II Ex-proof Electrical Materials

- Junction Boxes
- **Control Stations**
- Limit Switches
- **Electric Switches**
- Plug and Socket Units
- **Lighting Fixtures**
- Warning Beacons
- **Siren and Horn**
- Grounding Device and Clamp
- **Cable Glands – Plugs**
- Nippel and Muff
- **Elbows and Cable Pull Boxes**
- Pipe Clips

Protas has wide range of control stations that are designed to be reliably operated in Zone 1 and Zone 2 areas as an Ex d devices. They are commonly used in hazardous areas such as oil refineries, chemical processing, power generation, wastewater treatment facilities where the presence of flammable gases creates a risk of explosion.

Protas always designs optimum control stations that meet harsh industrial conditions.

Classification

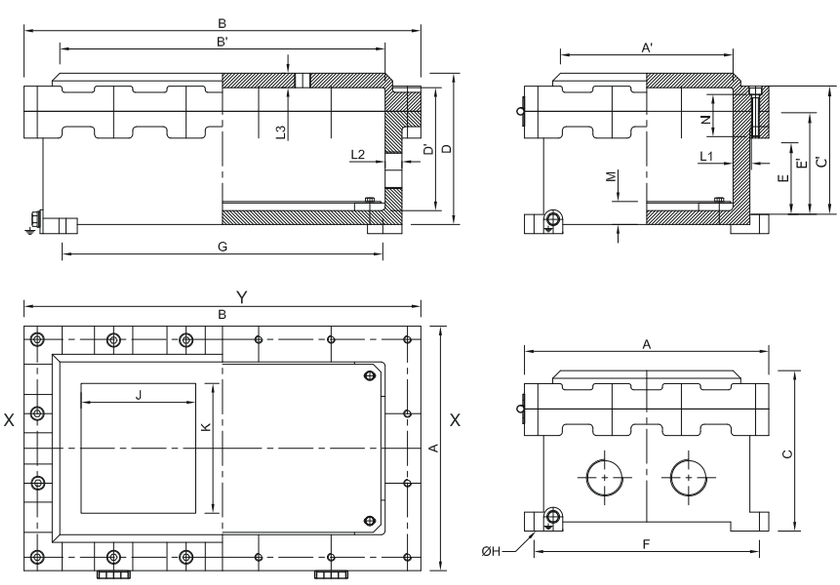
II 2G Ex d IIB+H2 T6 Gb / II 2D Ex tb IIIC T85°C Db IP65

Standards

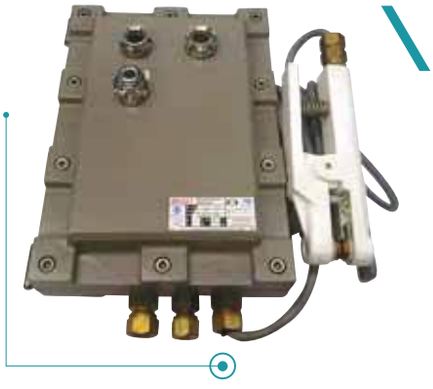
EN 60079-0 / EN 60079-1/ EN 60079-31

Certificate No.

EPS 14 ATEX 1 756 X / TSE 14.31.35-EX/173



Protaş / Grounding System



Protaş PTC Series grounding is an Ex d type device and can be used in Zone 1 and Zone classified areas.

It is widely used in monitoring and protection in petroleum, chemical, gas station, oil depot product platform to prevent hazards arising from static electric.

Classification

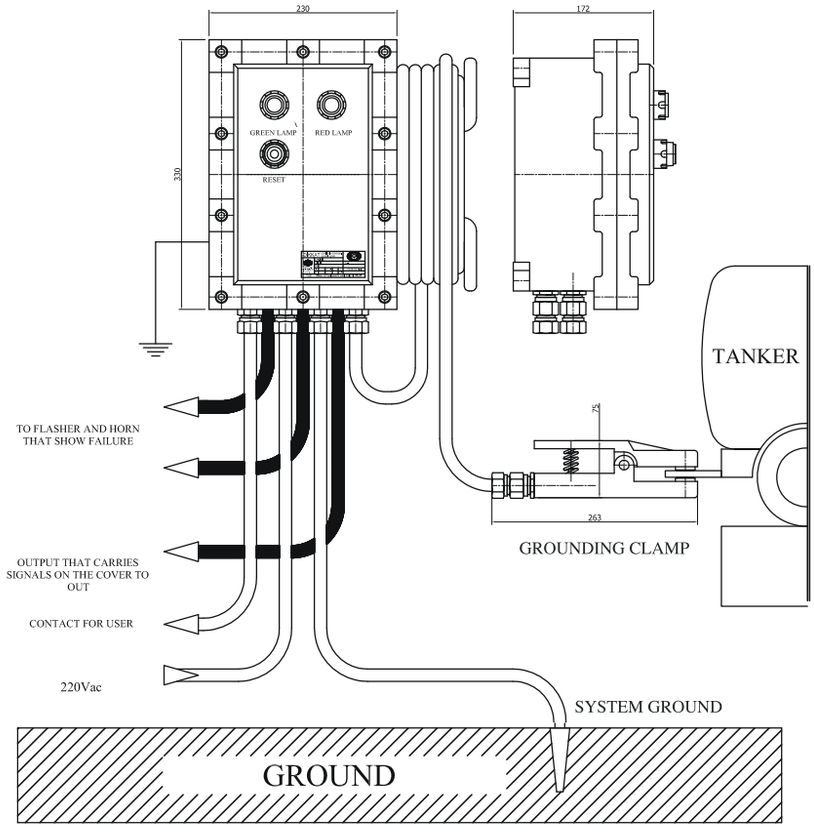
II 2G Ex d (Ia) IIB T6 Gb / II 2D Ex t (Ia)IIIC Tmax 85°C Db IP65

Standards

EN 60079-0 / EN 60079-1 / EN 60079-31

Certificate No.

TSE 14.31.35-EX / 173 / IEP 14 ATEX 0187



Cable gland, grounding clamp and 8 meter long cable included
Earthing device and grounding clamp can be provided individually
Approximate weight: 16.00 kg

Gas List

	Gases	Formula	Molecular Weight	Sensor Type	Measurement Range
30	LPG	LPG	heavier than air	Pellistor	0-100%LEL
30	LPG	LPG	heavier than air	Infrared	0-100%LEL
31	Methane	CH4	16.04 g/mol	Pellistor	0-100%LEL
31	Methane	CH4	16.04 g/mol	Infrared	0-100%LEL
32	Petrol Vapour	Petrol Vapour	heavier than air	Pellistor	0-100%LEL
32	Petrol Vapour	Petrol Vapour	heavier than air	Infrared	0-100%LEL
33	n-Butane	C4H10	58.12 g/mol	Pellistor	0-100%LEL
33	n-Butane	C4H10	58.12 g/mol	Infrared	0-100%LEL
34	Propane	C3H8	44.09 g/mol	Pellistor	0-100%LEL
34	Propane	C3H8	44.09 g/mol	Infrared	0-100%LEL
35	Hexane	C6H14	86.17 g/mol	Pellistor	0-100%LEL
35	Hexane	C6H14	86.17 g/mol	Infrared	0-100%LEL
36	Hyrdogen	H2	2.01 g/mol	Pellistor	0-100%LEL
37	Pentane	C5H12	72.14 g/mol	Pellistor	0-100%LEL
37	Pentane	C5H12	72.14 g/mol	Infrared	0-100%LEL
38	Toluene	C7H8	92.13 g/mol	Pellistor	0-100%LEL
39	Methanol	CH3OH	32.04 g/mol	Pellistor	0-100%LEL
40	Heptane	C7H16	100.20 g/mol	Pellistor	0-100%LEL
41	Octane	C8H18	114.22 g/mol	Pellistor	0-100%LEL
42	Ethanol	C2H6O	46.06 g/mol	Pellistor	0-100%LEL
43	Iso Propanol	C3H8O	60.09 g/mol	Pellistor	0-100%LEL
44	Carbon monoxide	CO	28.01 g/mol	Electrochemical	0-300ppm
44	Carbon monoxide	CO	28.01 g/mol	Electrochemical	0-500ppm
44	Carbon monoxide	CO	28.01 g/mol	Electrochemical	0-1000ppm
44	Carbon monoxide	CO	28.01 g/mol	Pellistor	0-100%LEL
45	Acetone	C3H6O	58.07 g/mol	Pellistor	0-100%LEL
46	Methyl Ethyl Ketone	C4H8O	72.10 g/mol	Pellistor	0-100%LEL
47	Ethyl Acetate	C4H8O2	88.10 g/mol	Pellistor	0-100%LEL
48	Amonnia	NH3	17.03 g/mol	Electrochemical	0-100ppm
48	Amonnia	NH3	17.03 g/mol	Electrochemical	0-1000ppm
48	Amonnia	NH3	17.03 g/mol	Pellistor	0-100%LEL
49	Ethylene	C2H4	28.05 g/mol	Pellistor	0-100%LEL
50	Acetic Acid	C2H4O2	60.05 g/mol	Pellistor	0-100%LEL
51	Buthyl Acetate	C6H12O2	116.15 g/mol	Pellistor	0-100%LEL
52	Cyclohexane	C6H12	84.15 g/mol	Pellistor	0-100%LEL
53	Cyclopentane	C5H10	70.13 g/mol	Pellistor	0-100%LEL
54	Dioxane	C4H8O2	88.10 g/mol	Pellistor	0-100%LEL
55	Ethane	C2H6	30.06 g/mol	Pellistor	0-100%LEL
56	Butanol	C4H10O	74.12 g/mol	Pellistor	0-100%LEL
57	Stirene	C8H8	104.14 g/mol	Pellistor	0-100%LEL
58	Propilene	C3H6	42.07 g/mol	Pellistor	0-100%LEL
59	Xylene	C8H10	106.16 g/mol	Pellistor	0-100%LEL
60	Acetylene	C2H2	26.03 g/mol	Pellistor	0-100%LEL
61	Benzene	C6H6	78.11 g/mol	Pellistor	0-100%LEL
62	Etylene Oxide	C2H4O	44.05 g/mol	Electrochemical	0-20ppm
63	Vinyl Acetate	C4H6O2	86.08 g/mol	Pellistor	0-100%LEL
64	Hyrdogen Sulphide	H2S	34.08 g/mol	Electrochemical	0-100ppm
65	Oxygene	O2	31.99 g/mol	Electrochemical	0-25%VOL
66	Sulphur Dioxide	SO2	64.06 g/mol	Electrochemical	0-10ppm
67	Nitric Oxide	NO	30.00 g/mol	Electrochemical	0-250ppm
68	Nitrogen Dioxide	NO2	46.00 g/mol	Electrochemical	0-30ppm
69	Clorin	Cl2	265.81 g/mol	Electrochemical	0-10ppm
70	Hydrocarbon	HC	13.01 g/mol	Pellistor	0-100%LEL
70	Hydrocarbon	HC	13.01 g/mol	Infrared	0-100%LEL
71	Carbon Dioxide	CO2	44.00 g/mol	Infrared	0-5000ppm
71	Carbon Dioxide	CO2	44.00 g/mol	Infrared	0-5%VOL
72	Freon	Freon	heavier than air	Semiconductor	0-2000ppm
73	JP8	JP8 Fuel	heavier than air	Pellistor	0-100%LEL
74	Formaldehyde	CH2O	30.02 g/mol	Electrochemical	0-10ppm
74	Formaldehyde	CH2O	30.02 g/mol	Pellistor	0-100%LEL
75	Hydrogen Cyanide	HCN	27.02 g/mol	Electrochemical	0-25ppm
76	Hydrogen Peroxide	H2O2	34.01 g/mol	Electrochemical	*
77	Nonane	C9H20	128.25 g/mol	Pellistor	0-100%LEL
78	Acetaldehide	C2H4O	44.05 g/mol	Pellistor	0-100%LEL
79	Hydrogen Chloride	HCl	139.92 g/mol	Electrochemical	0-25ppm
81	VOC	VOC	*	PID	*
82	Ozone	O3	47.99 g/mol	Electrochemical	*
83	Hydrogen Fluoride	HF	20.00 g/mol	Electrochemical	*
84	Phospine	PH3	33.99 g/mol	Electrochemical	0-10ppm
85	Isobutylene	C3H8	44.09 g/mol	Pellistor	0-100%LEL
86	Silane	SiH4	32.12 g/mol	Electrochemical	*
87	Diborane	B2H6	27.66 g/mol	Electrochemical	*
88	Arsine	AsH3	77.94 g/mol	Electrochemical	*
89	Germane	GeH4	76.62 g/mol	Electrochemical	*
90	Air Quality	*	*	Semiconductor	0-30ppm
91	A2L Refrigerant Gas	*	*	Semiconductor	0-10000ppm
92	R507	*	98.9 g/mol	Infrared	0-2000ppm
93	R1234z	*	114.04 g/mol	Infrared	0-2000ppm
94	Sulfur Hexafluoride	SF6	146.06 g/mol	Infrared	0-2000ppm
95	Fluorine	F2	19.00 g/mol	Electrochemical	0-5ppm
96	Chlorine Dioxide	ClO_2	67.45 g/mol	Electrochemical	0-20ppm

* Please consult Prosense sales team for specific measuring ranges and other gases that is not listed in here.
For more information info@prosense.com.tr

Prosense gas detectors are tested and calibrated before delivery. Gas detectors should be routinely checked and calibrated according to EN 60079-29-2.

Prosense

makes life safer

Prosense Safety GmbH
Voithstraße 24, 71640
Ludwigsburg, GERMANY
Steuernummer: 71346 / 01839
Umsatzsteuer-ID: DE 363445465

+49 (0) 7141 3899417
www.prosensesafety.com

Prosense Teknoloji San. Ltd. Şti.
Cumhuriyet Mah. Mermer Sk. No:16
Kartal 34876
İSTANBUL / TURKEY
info@prosense.com.tr
+90 216 306 77 88
+90 216 473 81 29
www.prosense.com.tr