P-3035
LPG GAS DETECTOR

ATEX **EN60079-0** **EN60079-1** **EN60079-18**

FEATURES

▶ **Trustworthy Certification**
PROSENSE "P" Series fixed gas detectors are certified with ATEX/IECEx.

▶ **Ex-proof Safety**
The continuous measurement of toxic and explosive gases is done safely in hazardous areas thanks to the ex-proof housing.

▶ **Robust and Durable**
SS316 stainless steel sensor head performs perfectlyunder harsh environmental conditions with the IP65 protection class.

▶ **Accurate Readings**
Pellistor, Electrochemical, and Infrared sensors undoubtedly provide an accurate and sensitive measurement.

▶ **Ready to Operate**
4-20mA Analog and Modbus RS485 RTU outputs are provided onboard to operate properly without any additional setup.

▶ **Easy Maintenance**
P Series detectors allow sensor replacement with pre-calibrated sensor head thanks to the Procell technology.

▶ **Automatic Calibration**
Detector calibration can be done automatically via preset values recorded in detector software once calibration requirements are provided.

▶ **Pellistor-Saver Mode**
Detectors power off sensor in high gas concentration in order to properly secure the operational lifetime of Pellistor sensor.

▶ **Auto Analog Signal Monitoring**
P Series detectors carefully check the analog output signal level continuously to match the measurement level before promptly transferred to the panel. P Series adjust the signal level in case of any deviation and generate fault signal when adjustment fails.

▶ **Universal Communication Protocols**
•4-20mA Analog and Modbus RS485 RTU outputs are simple to operate efficiently.
•P Series open-source Modbus codes support successful integration to SCADA systems.
•P-3R+ relay module can be properly integrated into P Series detectors for extra operations.

▶ **Zero Suppression**
Adjusting, the detector will show a certain measurement level as 0 (zero) to avoid unnecessary concerns.

▶ **Fail-Safe Technology Alarming**
Alarm 1 and Alarm 2 relays are easy to set to default LEL, ppm, VOL levels. The fault relay output properly indicates fault status.

▶ **Continuous Self-Test**
The detectors check itself continuously if it operates perfectly or not and indicates a fault in case of any failure.

▶ **Maintenance via Software**
Prosense provides software to maintain your active system easily and calibrate the gas detectors properly via computer.

▶ **Applications**
• Process Industry
• Water Treatment
• Chemical Industry
• Food and Medicine Facilities
• Metal Industry
• Gas Distribution Stations
• Laboratories

Fire & Gas Alarm System • CCTV System • PAVA System • Emergency Lighting System • Access Control System • Integration System • Reasure

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TECHNICAL SPECIFICATIONS

Sensing Type	Pellistor
Output Signals	4-20mA and Modbus RS485 RTU
Sensor Warm-Up	60sec
Response Time(T90)	<20sec
Accuracy	%±1
Operating Temperature	-40°C ~ +70°C
Humidity	5 ~ 95%RH
Input	Min 10VDC -Max 32VDC -Nominal 24VDC
Power Consumption	Max. 4W
Optional Relay Outputs	2 Alarms (Selectable) and 1 Fault (All relays are NO/NC adjustable)
Cable Entry	2 x 1/2''NPT
IP Rating	IP65 / Optional IP66 (Sensor Head)
Junction Box	Epoxy Painted Die-Cast Aluminum
Sensor Head	316L Stainless Steel
Dimensions/Weight	183x118,15x88mm / 1420gr
ATEX Marking	II 2G Ex db IIC T5/T4 Gb
Hazardous Class	Zone 1 or Zone 2
Certificates	•IMQ 19 ATEX 045 X • IECEx IMQ 18.0009X
Standards	• IEC EN 60079-0 • IEC EN 60079-1 • IEC EN 60079-18

Fire & Gas Alarm System   •   CCTV System   •   PAVA System   •   Emergency Lighting System   •   Access Control System   •   Integration System   •   Reasure

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