

GasEye Pluse

Fixed Gas Detector



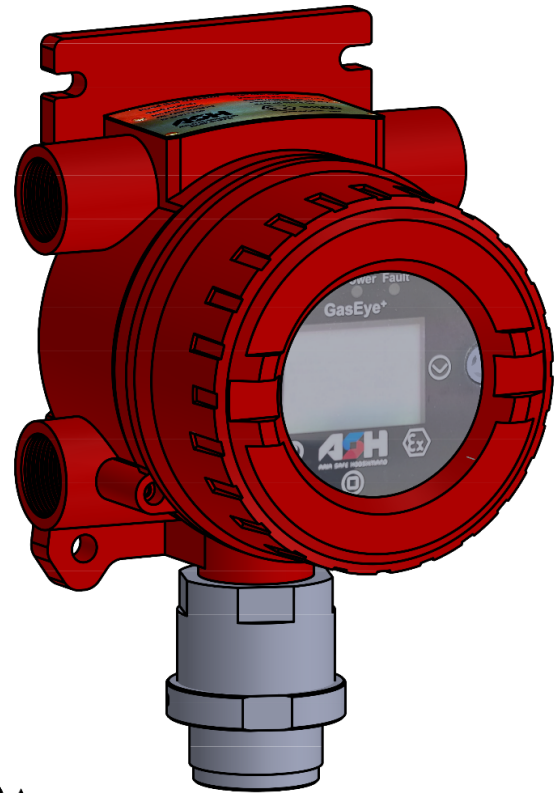
GasEye Plus is an intelligent fixed gas detector that is suitable for hazardous industrial areas to measure Toxic and Combustible gases.

By adopting high-performance gas sensor technology, combined with sophisticated manufacturing processes, this detector has good repeatability, high accuracy and long life.



Features

- 4-20 mA output, Support HART
- ATEX, SIL2 Certificate
- Smart sensor module
- High measurement accuracy
- Stable performance
- Long service life
- Easy to maintenance
- Suitable for indoor and outdoor use
- Fully configurable via magnetic switches
- Common transmitter platform
- Minimal training required
- Non-intrusive, one-man operation



Typical Applications

- Petrochemical
- Refineries and Chemical Plants
- Onshore and Offshore Oil Terminals
- Power Plants
- Wastewater Facilities
- Production Platforms
- Exploration and Drilling
- Industrial Manufacturing Facilities

Specifications

Electrical						
Input Voltage Range	18 to 30VDC (24VDC nominal)					
Max Power Consumption	≤3.6W					
Electrical output	4-20mA (HART), RS485-RTU					
Relay output	3 relays for low alarm, high alarm, and fault alert					
Indication	Yellow-Fault alert. Red-low alarm and high alarm. Green-Normal monitoring					
Operation method	Magnetic wand					
Mechanical						
Material	Housing: Epoxy-painted aluminum alloy or Stainless-steel Sensor: 316 stainless steel					
Dimension	102 mm x 215 mm x 116 mm					
Weight	Aluminum Alloy: 2.0kg Stainless steel: 5.5kg					
Cable Entries	3*NPT 3/4					
Environmental						
Ingress Protection	IP67					
Operating Temperature	-40°C / +70°C					
Humidity	0-95% RH (non-condensing)					
Certification						
SIL2	IEC 61508 Parts 1-7:2010, IEC 61511-1:2003+Carr.1:2004					
ATEX	Ex db IIC T6 Gb Ex tb IIIC T80°C Db					
Sensor						
Target Gas	Sensor Type	Sensor Range	Response Time(T90)	Sensor Life	Temperature Range	Humidity Range
Methane (CH ₄)	IR	0-100 %LEL	≤15s	Long life	-40°C to+70°C	0 ~ 95 % RH
Propane (C ₃ H ₈)	IR	0-100 %LEL	≤15s	Long life	-40°C to+70°C	0 ~ 95 % RH
Butane (C ₄ H ₁₀)	IR	0-100 %LEL	≤15s	Long life	-40°C to+70°C	0 ~ 95 % RH
Oxygen (O ₂)	Electrochemical	25% vol	<15 s	>24 months in air	-20°C to +50°C	0-99%RH
Hydrogen Sulfide (H ₂ S)	Electrochemical	0-100 ppm	20s at 20°C	2 years in the air	-40°C to +55°C	15%-90% RH
Ammonia (NH ₃)	Electrochemical	0-500 ppm	<90s	>24 months in air	-20°C to +40°C	15%-90% RH
Carbon Monoxide (CO)	Electrochemical	0-1000 ppm	< 20s	2 years in the air	-40°C to +55°C	15%-90% RH
Combustible gases	Catalytic	0-100 %LEL	<15s (methane)	3 years	-40°C to +50°C	0 - 90% RH
Other sensors include (Isobutane, SO ₂ , CL ₂ , H ₂ , NO ₂ , HF, O ₃ , etc.) are available						

Ordering Information

GasEye Plus

ASGEP A101

Housing Material	
A	Aluminum
S	Stainless-Steel

Sensor Type	
1	Catalytic
2	Electrochemical
3	IR

Sensor Type	
01	Methane (CH4)
02	Hydrogen Sulfide (H2S)
03	Ammonia (NH3)
04	Carbon Monoxide (CO)
05	Oxygen (O2)
06	Propane (C3H8)
07	Butane (C4H10)
08	Hydrogen (H2)
XX	Other gases

