



Smart Gas Detector StoxPlus Datasheet

» Product Overview

StoxPlus is a smart gas detector that supports multiple detection principles, true plug-and-play operation, and built-in sensor lifetime self-diagnostics. It is an explosion-proof smart gas detector specifically designed for industrial safety and process monitoring.

The StoxPlus smart gas detector is a modular smart gas detection platform for industrial applications. It is compatible with intelligent sensors based on different detection principles, enabling true plug-and-play functionality. The product supports both 4-20 mA analog output and RS485 Modbus-RTU digital communication, allowing easy integration with industrial control systems such as PLC, DCS, and SCADA. Built-in intelligent algorithms continuously perform self-diagnostics on toxic gas sensor performance and remaining service life, providing early warnings and reducing the risk of system failure.

StoxPlus features an integrated design with multiple mechanical configurations to suit different application scenarios, including diffusion type, flow-through type, and threaded type structures. The diffusion type is suitable for gas detection in open areas, where the target gas enters the sensor detection chamber through natural diffusion and convection. The flow-through type is designed for applications using sampling pumps or for processes where the gas is under positive pressure or has a certain flow rate, allowing gas to pass through the sensor via controlled flow. The threaded type is suitable for gas concentration monitoring in enclosed or semi-enclosed spaces, and supports sealed installation using threaded or flanged mounting.

StoxPlus has obtained explosion-proof certification and is suitable for industrial environments with hazardous gas risks, including petrochemical, energy, environmental protection, and semiconductor industries.

» Key Features

Plug-and-Play Intelligent Sensors

- Automatic sensor recognition
- Factory pre-calibrated
- Ready for operation upon power-up, significantly reducing commissioning time

Multiple Detection Principles - One Device, Multiple Applications

- Solid polymer electrochemical sensors (toxic and oxygen gases)
- Catalytic combustion sensors (flammable gases)
- NDIR infrared sensors (CO₂ / CH₄ / refrigerant gases)
- PID photoionization sensors (VOCs)

Seamless Integration

PLC / DCS / SCADA / Display Instruments / Industrial Gateways / Cloud Platforms

Sensor Lifetime & Performance Self-Diagnostics

- Continuous monitoring of sensor health status
- Early maintenance and replacement alerts
- Status feedback via both analog output and Modbus communication

Output Interfaces & System Integration

- 4-20 mA (three-wire)
Gas concentration signal
Fault / failure current indication
- RS485 Modbus-RTU
Gas concentration data
Sensor status information

Explosion-Proof Design with Industrial-Grade Reliability

- Intrinsically safe circuit design suitable for Zone 0 / Zone 1 / Zone 2 hazardous gas environments
- Flameproof enclosure design when equipped with catalytic combustion, NDIR, or PID sensors
- IP66-rated dustproof and moisture-resistant enclosure with anti-corrosion coating
- Suitable for harsh indoor and outdoor industrial environments from -40 °C to +55 °C
- Compact size with a robust and space-saving design

» Detection Principles

The StoxPlus Smart Gas Detector is a highly durable product that converts the weak raw current signals generated by the sensor into standardized 4-20 mA analog output or RS485 Modbus-RTU digital output through digital signal processing circuitry.

Solid Polymer Electrochemical Gas Sensing Technology

Sensors based on this principle are designed for the detection of toxic and oxygen gases. They operate on the basis of electrochemical reactions and feature fast response, high selectivity, low drift, and a long lifetime.

Solid Polymer Electrochemical sensing technology represents a revolutionary innovation in the field of electrochemical gas detection. Based on electrochemical reaction mechanisms, the technology detects the output signals generated by electrochemical reactions of different gases, enabling accurate measurement of gas concentration through precise signal quantification.

The sensor consists of three catalytic electrodes, a solid electrolyte, and a gas diffusion port. Target gas diffuses through the diffusion port to the sensor's working electrode, where electrochemical oxidation-reduction reactions occur on the porous microscopic surface of the electrode. The Solid Electrolyte conducts electron transfer, generating an output current signal. The magnitude of this current signal is directly proportional to the gas concentration.



Catalytic Combustion Gas Sensing Technology

Catalytic combustion gas sensing technology is mainly used for the detection of combustible gases and vapors, such as methane (CH_4), hydrogen (H_2), propane, and butane. It is suitable for detecting a wide range of combustible gases, offering fast response, good linearity, and an output proportional to gas concentration (%LEL). As a mature and reliable technology, it is widely used in industrial explosion-proof environments. Its operating principle is based on the characteristic that combustible gases undergo flameless oxidation reactions (catalytic combustion) on the surface of a catalyst, releasing heat.

A catalytic combustion sensor typically consists of a pair of heated elements: a catalytic element (active bead) and a compensating element (inactive bead). When combustible gas is present in the environment and sufficient oxygen is available, the gas is oxidized on the surface of the catalytic element. The heat released raises the temperature of the catalytic element, causing a change in its electrical resistance. This resistance change is proportional to the concentration of the combustible gas.

By configuring the catalytic element and the compensating element in a Wheatstone bridge circuit, the effects of environmental temperature, humidity, and pressure variations on the measurement can be effectively compensated, enabling stable measurement of combustible gas concentration. The detection result is typically expressed as a percentage of the Lower Explosive Limit (%LEL).

The normal operation of catalytic combustion sensors depends on an adequate oxygen concentration in the environment and may be affected by catalyst-poisoning substances such as silicones and sulfur compounds.



NDIR Infrared Gas Sensing Technology

NDIR infrared gas sensing technology is suitable for the detection of CO_2 , certain combustible gases, and refrigerant gases. Based on the non-dispersive infrared absorption principle, the sensor does not consume the target gas and offers high stability. It is well suited for low-oxygen or oxygen-variable environments, dry environments, high-concentration continuous monitoring applications, and provides strong resistance to poisoning with low maintenance requirements.

NDIR (Non-Dispersive Infrared) gas detection technology is based on the principle that different gas molecules selectively absorb infrared light at specific wavelengths. When infrared radiation emitted by an infrared light source passes through the target gas, gas molecules absorb infrared energy at wavelengths corresponding to their molecular vibrational characteristics, causing attenuation of the infrared light intensity at those wavelengths.

An NDIR sensor typically consists of an infrared light source, a gas chamber, optical filters, and an infrared detector. The infrared detector measures the attenuation of infrared light at specific wavelengths and, combined with reference signal compensation, accurately calculates the volume fraction or concentration of the target gas.



PID VOCs Gas Sensing Technology

Photoionization (PID) gas sensing technology is primarily used for the detection of volatile organic compounds (VOCs). It features a low detection limit, making it suitable for trace gas monitoring, with fast response and strong real-time performance. PID sensors can be equipped with interchangeable ultraviolet (UV) lamps to adapt to different gases. Their operating principle is based on the ability of high-energy ultraviolet light to ionize gas molecules.

A PID sensor contains a UV lamp, commonly with energy levels of 9.8 eV, 10.6 eV, or 11.7 eV. When target gas molecules pass through the sensor's detection chamber and are exposed to UV radiation, molecules with ionization energies lower than the UV photon energy are ionized, producing positively charged ions and free electrons. Under the influence of an electric field, these charged particles generate an electrical current, the magnitude of which is proportional to the concentration of the target gas.

PID detection does not rely on gas combustion or chemical reactions and is characterized by fast response, high sensitivity, and very low detection limits (ppb to ppm range), making it well suited for real-time monitoring of low-concentration VOCs.

The response of a PID sensor depends on the UV lamp energy and the ionization energy of the target gas. Different gases require corresponding response factors for concentration conversion. The UV lamp is a consumable component and requires periodic maintenance or replacement of the UV lamp and detector depending on operating conditions.



» Applications

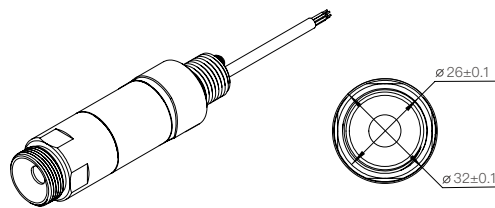
-  Industrial gas safety monitoring
-  Industrial process gas monitoring
-  Petrochemical and energy industries
-  Power industry environmental monitoring
-  Warehousing, logistics, and public facilities
-  Agriculture and forestry
-  Wastewater treatment, waste treatment, and biogas safety monitoring
-  Pharmaceutical and chemical industries, medical and healthcare applications
-  Semiconductor and electronics manufacturing
-  Medical, laboratory, and research environments
-  Environmental monitoring and auxiliary applications



» Mechanical Diagram

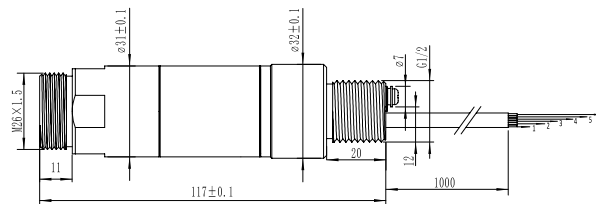
StoxPlus smart gas detector Mechanical Diagram

unit: mm



Product Schematic

Side View



Front View

No.	Color	Description
1	Red	VCC
2	Black	GND
3	White	485 A+
4	Grey	485 B-
5	Brown	4-20 mA+
6	Silver	GROUND

» Technology Specifications

Gas Sensor Specifications

Detected Gas	Single Gas
Detection Principle	Solid Polymer Electrochemical / Catalytic Combustion / NDIR Infrared / PID Photoionization
Accuracy	± 5% of Measured Value
Repeatability	< 2 %
Long-term Drift	< 5%/year
Expected Sensor Lifetime	5 Years (typical)
Factory Status	Factory Pre-calibrated
Warranty	12 Months

Electrical Specifications

Output Interface	Supports simultaneous 4-20 mA and RS485 signal outputs. Users may select wiring according to on-site requirements.				
	4-20 mA (Three-wires):				
	Output: Gas concentration signal and fault indication				
	• 3.5 mA Fault Signal: Sensor signal weak • 3.0 mA Fault Signal: Sensor failure or sensor disconnected				
	4-20 mA Wiring (Three-wires): Red: VCC Black: GND Brown: 4-20 mA +				
	RS485 Modbus-RTU:				
	Output: Gas concentration and sensor status				
	• Sensor Status Codes 0: Sensor operating normally • Sensor Status Codes 1: Sensor signal weak; sensor signal reduced to 20% of total signal (sensor replacement preparation required) • Sensor Status Codes 2: Sensor failure or sensor disconnected (sensor must be replaced immediately or wiring/connectivity must be checked)				
	RS485 Wiring: Red: VCC Black: GND Silver: GROUND Green: RS485 A+ White: RS485 B-				
Operating Voltage	12 to 24V DC				
Operating Current	< 100 mA				
Power Consumption	< 2 W				
Maximum Loop Resistance	< 500 Ω @ 24 V DC				

Environmental

Operating Temperature	-40 °C to +55 °C
Operating Humidity	15-95% RH, non-condensing
Operating Pressure	Atmospheric pressure $\pm$ 10 %
Storage Temperature	0 °C to 20 °C

Mechanical

Product Dimensions	See "Mechanical Diagram"
Power Cable Length	1 m (standard, other lengths customizable)
Weight	Solid Electrochemical/Catalytic: 304 g
	NDIR: 325 g
	PID Photoionization: 313 g
Package Dimensions	185 × 150 × 108 mm
Enclosure Structure	Integrated Diffusion with threaded mounting type / Flow type (Flow type requires a separately selected flow cap accessory)
Mounting Method	Wall mounting or pipe mounting
Ingress Protection	IP66

Certification

Intrinsic safety explosion-proof marking: Ex ia IIC T6 Ga

» Accessories

Product Name	Part Number	Description
StoxPlus Mounting Bracket	02-StoxPlus-MBK-01	Standard Accessory
StoxPlus FlowCap	02-StoxPlus-FlowCap-01	Optional



Mounting Bracket

» Order Information

Gas	Formula	Part Number	Range	Resolution	Response Time	Principle
Arsine	AsH ₃	05-StoxPlus-AsH ₃ -1-SEC-01	0-1 ppm	0.001 ppm	T90 < 80 s	Solid Polymer Electrochemical
Acetylene	C ₂ H ₂	05-StoxPlus-C ₂ H ₂ -20-SEC-01	0-20 ppm	0.01 ppm	T90 < 80 s	Solid Polymer Electrochemical
		05-StoxPlus-C ₂ H ₂ -100-SEC-01	0-100 ppm	0.01 ppm	T90 < 80 s	
		05-StoxPlus-C ₂ H ₂ -200-SEC-01	0-200 ppm	0.1 ppm	T90 < 80 s	
		05-StoxPlus-C ₂ H ₂ -500-SEC-01	0-500 ppm	0.1 ppm	T90 < 80 s	
Ethylene	C ₂ H ₄	05-StoxPlus-C ₂ H ₄ -10-SEC-01	0-10 ppm	0.001 ppm	T90 < 80 s	Solid Polymer Electrochemical
		05-StoxPlus-C ₂ H ₄ -20-SEC-01	0-20 ppm	0.01 ppm	T90 < 80s	
		05-StoxPlus-C ₂ H ₄ -100-SEC-01	0-100 ppm	0.01 ppm	T90 < 80 s	
		05-StoxPlus-C ₂ H ₄ -500-SEC-01	0-500 ppm	0.1 ppm	T90 < 80 s	
		05-StoxPlus-C ₂ H ₄ -2000-SEC-01	0-2000 ppm	0.1 ppm	T90 < 80 s	
Methyl Mercaptan	CH ₄ S	05-StoxPlus-CH ₄ S-10-SEC-01	0-10 ppm	0.001 ppm	T90 < 80 s	Solid Polymer Electrochemical
		05-StoxPlus-CH ₄ S-100-SEC-01	0-100 ppm	0.01 ppm	T90 < 80 s	
		05-StoxPlus-CH ₄ S-5000-SEC-01	0-5000 ppm	0.1 ppm	T90 < 80 s	
Chlorine	Cl ₂	05-StoxPlus-Cl ₂ -5-SEC-01	0-5 ppm	0.001 ppm	T90 < 60 s	Solid Polymer Electrochemical
		05-StoxPlus-Cl ₂ -10-SEC-01	0-10 ppm	0.001 ppm	T90 < 60 s	
		05-StoxPlus-Cl ₂ -50-SEC-01	0-50 ppm	0.01 ppm	T90 < 60 s	
		05-StoxPlus-Cl ₂ -100-SEC-01	0-100 ppm	0.01 ppm	T90 < 60 s	
Carbon monoxide	CO	05-StoxPlus-CO-10-SEC-01	0-10 ppm	0.001 ppm	T90 < 80 s	Solid Polymer Electrochemical
		05-StoxPlus-CO-100-SEC-01	0-100 ppm	0.01 ppm	T90 < 60 s	
		05-StoxPlus-CO-500-SEC-01	0-500 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-CO-1000-SEC-01	0-1000 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-CO-2000-SEC-01	0-2000 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-CO-2%-SEC-01	0-2% vol.	0.001% vol.	T90 < 60 s	

» Order Information

Gas	Formula	Part Number	Range	Resolution	Response Time	Principle
Ethylene Oxide	ETO	05-StoxPlus-ETO-10-SEC-01	0-10 ppm	0.001 ppm	T90 < 60 s	Solid Polymer Electrochemical
		05-StoxPlus-ETO-200-SEC-01	0-200 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-ETO-1000-SEC-01	0-1000 ppm	0.1 ppm	T90 < 60 s	
Hydrogen	H ₂	05-StoxPlus-H ₂ -1000-SEC-01	0-1000 ppm	0.1 ppm	T90 < 60 s	Solid Polymer Electrochemical
		05-StoxPlus-H ₂ -5000-SEC-01	0-5000 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-H ₂ -5%-SEC-01	0-5% vol.	0.001% vol.	T90 < 90 s	
Hydrogen Sulfide	H ₂ S	05-StoxPlus-H ₂ S-10-SEC-01	0-10 ppm	0.001 ppm	T90 < 60 s	Solid Polymer Electrochemical
		05-StoxPlus-H ₂ S-100-SEC-01	0-100 ppm	0.01 ppm	T90 < 60 s	
		05-StoxPlus-H ₂ S-500-SEC-01	0-500 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-H ₂ S-1000-SEC-01	0-1000 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-H ₂ S-5000-SEC-01	0-5000 ppm	0.1 ppm	T90 < 60 s	
Formaldehyde	HCHO	05-StoxPlus-HCHO-5-SEC-01	0-5 ppm	0.001 ppm	T90 < 80 s	Solid Polymer Electrochemical
		05-StoxPlus-HCHO-100-SEC-01	0-100 ppm	0.01 ppm	T90 < 60 s	
Hydrogen Cyanide	HCN	05-StoxPlus-HCN-50-SEC-01	0-50 ppm	0.01 ppm	T90 < 60 s	Solid Polymer Electrochemical
Ammonia	NH ₃	05-StoxPlus-NH ₃ -10-SEC-01	0-10 ppm	0.001 ppm	T90 < 30 min	Solid Polymer Electrochemical
		05-StoxPlus-NH ₃ -100-SEC-01	0-100 ppm	0.01 ppm	T90 < 30 min	
Nitrogen Dioxide	NO ₂	05-StoxPlus-NO ₂ -5-SEC-01	0-5 ppm	0.001 ppm	T90 < 60 s	Solid Polymer Electrochemical
		05-StoxPlus-NO ₂ -50-SEC-01	0-50 ppm	0.01 ppm	T90 < 60 s	
		05-StoxPlus-NO ₂ -100-SEC-01	0-100 ppm	0.01 ppm	T90 < 60 s	
		05-StoxPlus-NO ₂ -1000-SEC-01	0-1000 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-NO ₂ -2000-SEC-01	0-2000 ppm	0.1 ppm	T90 < 60 s	
Oxygen	O ₂	05-StoxPlus-O ₂ -25%-SEC-01	0-25% vol.	0.01% vol.	T90 < 60 s	Solid Polymer Electrochemical
		05-StoxPlus-O ₂ -25%-HH-SEC-01	0-25% vol.	0.01% vol.	T90 < 60 s	Solid Polymer Electrochemical, Resistant to high humidity > 90% RH
Ozone	O ₃	05-StoxPlus-O ₃ -5-SEC-01	0-5 ppm	0.001 ppm	T90 < 80 s	Solid Polymer Electrochemical
		05-StoxPlus-O ₃ -10-SEC-01	0-10 ppm	0.001 ppm	T90 < 60 s	
		05-StoxPlus-O ₃ -50-SEC-01	0-50 ppm	0.01 ppm	T90 < 60 s	
		05-StoxPlus-O ₃ -100-SEC-01	0-100 ppm	0.01 ppm	T90 < 60 s	
Phosphine	PH ₃	05-StoxPlus-PH ₃ -5-SEC-01	0-5 ppm	0.001 ppm	T90 < 80 s	Solid Polymer Electrochemical
		05-StoxPlus-PH ₃ -20-SEC-01	0-20 ppm	0.01 ppm	T90 < 80 s	
		05-StoxPlus-PH ₃ -500-SEC-01	0-500 ppm	0.1 ppm	T90 < 80 s	
		05-StoxPlus-PH ₃ -1000-SEC-01	0-1000 ppm	0.1 ppm	T90 < 80 s	
		05-StoxPlus-PH ₃ -2000-SEC-01	0-2000 ppm	0.1 ppm	T90 < 80 s	
		05-StoxPlus-PH ₃ -5000-SEC-01	0-5000 ppm	0.1 ppm	T90 < 80 s	

» Order Information

Gas	Formula	Part Number	Range	Resolution	Response Time	Principle
Odor	SMELL	05-StoxPlus-SMELL-10-SEC-01	0-10 ppm	0.001 ppm	T90 < 60 s	Solid Polymer Electrochemical
		05-StoxPlus-SMELL-200-SEC-01	0-200 ppm	0.1 ppm	T90 < 60 s	
Sulfur Dioxide	SO ₂	05-StoxPlus-SO ₂ -5-SEC-01	0-5 ppm	0.001 ppm	T90 < 60 s	Solid Polymer Electrochemical
		05-StoxPlus-SO ₂ -50-SEC-01	0-50 ppm	0.01 ppm	T90 < 60 s	
		05-StoxPlus-SO ₂ -100-SEC-01	0-100 ppm	0.01 ppm	T90 < 60 s	
		05-StoxPlus-SO ₂ -1000-SEC-01	0-1000 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-SO ₂ -2000-SEC-01	0-2000 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-TVOC-10-SEC-01	0-10 ppm	0.001 ppm	T90 < 60 s	Solid Polymer Electrochemical
Volatile Organic Compounds	TVOC	05-StoxPlus-TVOC-200-SEC-01	0-200 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-TVOC-1000-SEC-01	0-1000 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-TVOC-2000-SEC-01	0-2000 ppm	0.1 ppm	T90 < 60 s	
		05-StoxPlus-TVOC-5000-SEC-01	0-5000 ppm	0.1 ppm	T90 < 60 s	
Combustible Gas	LEL	05-StoxPlus-LEL-100%-CT-01	0-100% LEL	1% LEL	T90 < 30 s	Catalytic
		05-StoxPlus-LEL-100%-LP-CT-01	0-100% LEL	1% LEL	T90 < 30 s	MEMS Pellistor
		05-StoxPlus-LEL-100%-RP-CT-01	0-100% LEL	1% LEL	T90 < 30 s	Catalytic
Methane	CH ₄	05-StoxPlus-CH ₄ -5%-IR-01	0-5% vol	0.001% vol.	T90 < 30 s	NDIR Infra-Red
		05-StoxPlus-CH ₄ -10%-IR-01	0-10% vol	0.001% vol.	T90 < 30 s	
Carbon Dioxide	CO ₂	05-StoxPlus-CO ₂ -0.5%-IR-01	0-0.5% vol.	0.0001% vol.	T90 < 30 s	NDIR Infra-Red
		05-StoxPlus-CO ₂ -1%-IR-01	0-1% vol.	0.0001% vol.	T90 < 30 s	
		05-StoxPlus-CO ₂ -3%-IR-01	0-3% vol.	0.001% vol.	T90 < 30 s	
		05-StoxPlus-CO ₂ -5%-IR-01	0-5% vol.	0.001% vol.	T90 < 30 s	
		05-StoxPlus-CO ₂ -10%-IR-01	0-10% vol.	0.001% vol.	T90 < 30 s	
		05-StoxPlus-CO ₂ -20%-IR-01	0-20% vol.	0.001% vol.	T90 < 30 s	
		05-StoxPlus-CO ₂ -50%-IR-01	0-50% vol.	0.001% vol.	T90 < 30 s	
		05-StoxPlus-CO ₂ -100%-IR-01	0-100% vol.	0.01% vol.	T90 < 30 s	
PID Volatile Organic Compounds	TVOC	05-StoxPlus-TVOC-5-PID-01	0-5 ppm	0.001 ppm	T90 < 30 s	PID Photoionization
		05-StoxPlus-TVOC-10-PID-01	0-10 ppm	0.001 ppm	T90 < 30 s	
		05-StoxPlus-TVOC-20-PID-01	0-20 ppm	0.002 ppm	T90 < 30 s	
		05-StoxPlus-TVOC-50-PID-01	0-50 ppm	0.005 ppm	T90 < 30 s	
		05-StoxPlus-TVOC-100B-PID-01	0-100 ppm	0.01 ppm	T90 < 30 s	
		05-StoxPlus-TVOC-100C-PID-01	0-100 ppm	0.01 ppm	T90 < 30 s	
		05-StoxPlus-TVOC-200-PID-01	0-200 ppm	0.02 ppm	T90 < 30 s	
		05-StoxPlus-TVOC-500-PID-01	0-500 ppm	0.05 ppm	T90 < 30 s	
		05-StoxPlus-TVOC-1000-PID-01	0-1000 ppm	0.1 ppm	T90 < 30 s	
		05-StoxPlus-TVOC-2000-PID-01	0-2000 ppm	0.2 ppm	T90 < 30 s	
		05-StoxPlus-TVOC-5000-PID-01	0-5000 ppm	0.5 ppm	T90 < 30 s	
		05-StoxPlus-TVOC-10000-PID-01	0-10000 ppm	1 ppm	T90 < 30 s	
		05-StoxPlus-TVOC-15000-PID-01	0-15000 ppm	2 ppm	T90 < 30 s	

Disclaimer

The AQ Sense performance data stated above is based on data obtained under test conditions using the AQ Sense gas distribution system and AQ Sense test software. In the interest of continuous product improvement, AQ Sense reserves the right to change design features and specifications without notice. We are not responsible for any loss, injury or damage caused by this. AQ Sense assumes no responsibility for any indirect loss, injury or damage resulting from the use of this document, the information contained therein or any omissions or errors herein. This document does not constitute an offer to sell. The data it contains are for informational purposes only and cannot be considered a guarantee. Any use of the given data must be evaluated and determined by the user to comply with federal, state and local laws and regulations. All specifications outlined are subject to change without notice.

Warning

AQ Sense detectors are designed for use in a variety of environmental conditions. However, due to the principles and characteristics of sensors and to ensure normal use, users must strictly follow this article during storage, assembly and operation of the device. Although our products are highly reliable, we recommend checking the device's response to the target gas prior to utilization to ensure on-site use. At the end of the products service life, please do not discard any electronics in the domestic waste, instead follow the local governments electronic waste recycling regulations for disposal.



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