

SD Transmitter

Sample-Draw Transmitter



The Sample-Draw Transmitter is a single gas detector, which allows users to extract a gas sample from deep shafts, tall ceilings, wells, pits and many other locations where it is either, difficult or impossible to place a diffusion sensor. An internal motorized pump provides the power to transport gas samples to the sensor. This instrument can be configured for the detection of hydrocarbon, oxygen or other toxic gases in a wide variety of applications.

Features

- Reliable method for sampling difficult to access areas
- Accepts sample lines up to 100 ft.
- Flowmeter with low-flow indicator
- Robust pump operates on 12 or 24 VDC, thereby reducing installation costs
- NEMA 4X, weather & corrosion resistant housing
- Applications Include:
 - Wastewater Treatment - Barscreen rooms, effluent, wetwells, sewage lift stations, chlorine treatment/storage areas, digesters, permit-required confined spaces and grit settling area monitoring
 - Water Treatment - Chlorine storage, ozone storage and delivery, sumps and pits
 - Semiconductor Manufacturing - Gas bunker, tool, gas jungle, gas cabinet, exhaust duct and cleanroom monitoring
 - Automotive Manufacturing - Engine and emission testing bay, paint booth and paint robot monitoring
 - Meat Packing - Cold storage, flash freezers and warehouse monitoring
 - Chemical & Petrochemical Refineries - Sulfur recovery unit and HF Alky unit monitoring
 - Aerospace Industry - Cleanroom and cryogenic research lab monitoring

Fast Response

High Flow Pump

Flow Indication

Low Flow Indication

12-Month Warranty

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Gas	Sensor Type	Formula	Standard Range
Ammonia	Electrochemical	NH ₃	0 to 100 ppm
Arsine	Electrochemical	AsH ₃	0 to 1.00 ppm
Carbon Monoxide	Electrochemical	CO	0 to 500 ppm
Chlorine	Electrochemical	Cl ₂	0 to 10.0 ppm
Chlorine Dioxide	Electrochemical	ClO ₂	0 to 2.00 ppm
Combustible	Catalytic		0 to 100% LEL
Diborane	Electrochemical	B ₂ H ₆	0 to 1.00 ppm
Fluorine	Electrochemical	F ₂	0 to 10.0 ppm
Hydrogen Chloride	Electrochemical	HCl	0 to 30.0 ppm
Hydrogen Cyanide	Electrochemical	HCN	0 to 50.0 ppm
Hydrogen Fluoride	Electrochemical	HF	0 to 10.0 ppm
Hydrogen Sulfide	Electrochemical	H ₂ S	0 to 100 ppm
Nitric Oxide	Electrochemical	NO	0 to 100 ppm
Nitrogen Dioxide	Electrochemical	NO ₂	0 to 20.0 ppm
Oxygen	Electrochemical	O ₂	0 to 30.0% Vol.
Ozone	Electrochemical	O ₃	0 to 1.0 ppm
Phosphine	Electrochemical	PH ₃	0 to 1.0 ppm
Silane	Electrochemical	SiH ₄	0 to 20.0 ppm
Sulfur Dioxide	Electrochemical	SO ₂	0 to 20.0 ppm

Sensors:	Catalytic; combustible
Electrochemical	AsH ₃ , B ₂ H ₆ , Cl ₂ , ClO ₂ , CO, F ₂ , HCl, HCN, HF, H ₂ S, NH ₃ , NO, NO ₂ , O ₂ , O ₃ , PH ₃ , SiH ₄ or SO ₂
Accuracy	± 10% of reading
Repeatability	± 5% of reading
Environmental	
Operating Temp	-20°C to 45°C
Humidity	0 to 95% RH, non-condensing
Power	
Power Consumption	9 Watts (combustible) 5 Watts (toxic/O ₂)
Input Power	12 VDC or 24 VDC
Construction	
Dimensions	254 mm L x 114 mm H x 181 mm W
Weight	1.8 kg
Case Materials	Fiberglass NEMA 4X enclosure
Warranty	One year (materials and workmanship)



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