DOD TECHNOLOGIES

The Leader in Low Level Toxic Gas Monitoring

The ever-versatile PS-7 Single Point Toxic Gas Detector detects a wide range of toxic and combustible gases as well as oxygen depletion. It uses three different detection principles (electrochemical, hot-wire, or galvanic) to offer the longest-life, most-specific sensors available. The device can extract a sample from up to 75 feet away with its robust pump that lasts for up to seven years. The high quality sensors can specify combustibles. It also monitors NF3 with the use of a compact and reliable low temperature pyrolyzer.

ITEM PS-7 | **SINGLE POINT PPB ELECTROCHEMICAL DETECTOR**

CONTINUOUS MONITORING

HYDROGEN H_2 PPM SENSOR

LOW MAINTENANCE

5-YEAR O2 SENSOR

Pyrolyzer Detects Low Levels of NF3

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KEY FEATURES & BENEFITS

FEATURES	BENEFITS
AUTO Flow Control	Sample flowrate held constant for stable detection
Large LCD	Device status can be read at a glance
Easy Sensor Replacement	Sensors & Flow Path can be changed without tools
Smart Sensors	Error alarm issued if sensor for different gas loaded

Sensor Replacement

Remove the main unit from the base unit.

Remove the back cover of the main unit.

Remove the old sensor unit and load the new sensor unit.

Mount the main unit on the base unit and press the test switch to confirm operation

DETECTABLE GASES

Electrochemical

Ammonia (NH3)	0-100 ppm
Arsine (AsH3)	0-0.25 ppm
Carbon Monoxide (CO)	0-250 ppm
Chlorine (Cl2)	0-5 ppm
Chlorine Trifluoride (ClF3)	0-1 ppm
Diborane (B2H6)	0-0.5 ppm
Dichlorosilane (Si2H2Cl2)	0-25 ppm
Disilane (Si2Cl2)	0-25 ppm
Fluorine (F2)	0-5 ppm
Germane (GeH4)	0-1 ppm
Hydrogen Bromide (HBr)	0-10 ppm
Hydrogen Chloride (HCl)	0-5 ppm
Hydrogen Chloride (HCl)	0-25 ppm
Hydrogen Fluoride (HF)	0-10 ppm
Hydrogen Selenide (H2Se)	0-25 ppm
Hydrogen Selenide (H2Se)	0-50 ppm
Ozone (O3)	0-1 ppm

Electrochemical (continued)

Phosphine (PH3)	0-1 ppm
Phosphorus Trifluoride (PF3)	0-10 ppm
Silane (SiH4)	0-5 ppm
Silane (SiH4)	0-25 ppm

Electrochemical with Pyrolyzer

Ammonia (NH3)	0-100 ppm
Arsine (AsH3)	0-100 ppm

Galvanic Cell

Oxygen Depletion (O2)	0-25 vol%

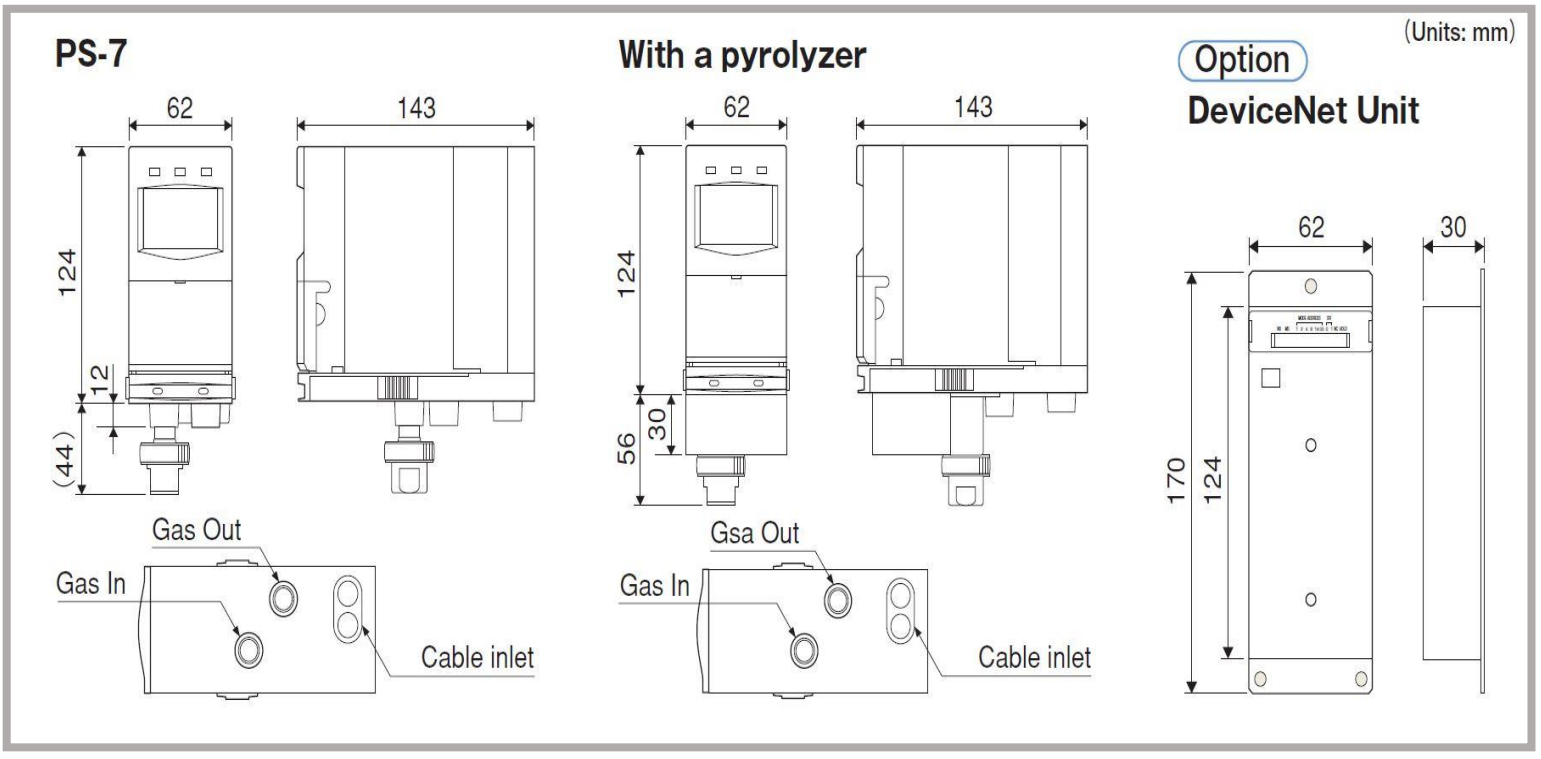
Hot-wire Sensor

Hydrogen (H2)	0-500 ppm
Hydrogen (H2)	0-1,000 ppm

TECHNICAL SPECIFICATIONS

SPEC NAME	SPECIFICATION DETAIL
Detection Principle	Electrochemical, Hot-wire, galvanic cells
Monitoring Points	Single point of detection
Sampling Tubing	70 ft. (21 m) - 1/4" OD x 3/16" ID Teflon FEP Tubing
Local Alarm	Visual & Audible
Display	Back-Lit LCD
External Output	- Gas concentration analog output: 4-20mA DC - Gas alarm contact: 1a no-voltage /non-latching - Trouble alarm contact: open/non-latching
Relay Outputs	Programmable low and high-level faults
Operating Temp.	32°F - 104°F | 0°C - 40°C
Dimensions	2.4"H x 4.9"W x 5.6"D
Shipping Weight	3 lbs.
Operating Voltage	24V DC +/-10%
Power Consumption	Approximately 7W
Application Cable	3C or 4C shielded control cable
Communication	Ethernet, DeviceNet, Modbus

INSTALLATION DIMENSIONS (IN MM)



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REALIBILITY & SUPPORT

DOD Technologies is the leader in low level gas detection with a division focused exclusively on semiconductor processing and other high tech industries. We understand the value of your production, from the raw silicon wafer to the fabrication of a chip, and we know that just one false alarm can cost millions of dollars in lost productivity. That's why we engineered the ChemLogic product line for an enhanced standard of accuracy and reliability. Every day, DOD's gas detection technologies protect people and billions of dollars in assets at semiconductor fabs, research labs and other high tech facilities throughout the world. We have a worldwide network of service engineers who are knowledgeable and passionate about gas detection. Our portfolio includes fixed systems, portable gas detectors, controllers, systems integration and onsite field services.

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