

VISION® 8 Continuous Gas Detector with ELE Sense Technology®



DOD Technologies

The VISION® 8 is the world's first color-sensing and differentiating colorimetric gas detection system. Capable of distinguishing between different gases within the same family, the VISION 8 produces fast and accurate results.

The VISION 8 employs patented **ELE Sense Technology®** (pronounced "EYE" and formally known as Effective Wavelength Evaluation) to analyze samples in an entirely new light. Utilizing fiber optics, the VISION 8 actively records, evaluates and stores real-time gas monitoring results. Combined with proven ChemLogic® colorimetric technology, the system effectively captures gas stains on an easy-to-load cassette.

Continuously monitor and detect target gases from up to eight designated points, each up to 500 feet away. The system also efficiently combines detection and controller capabilities into a single unit, with remote viewing and administrator access.



VISION®

CONTINUOUS



MONITORING

FASTEST



RESPONSE TIMES

LOW



MAINTENANCE

ENERGY

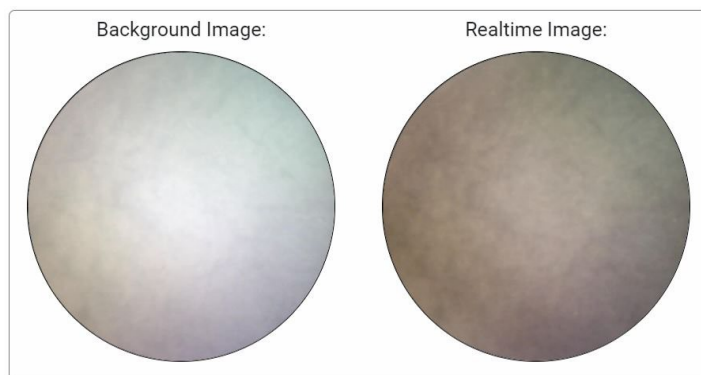


EFFICIENT

Features & Benefits

FEATURES	BENEFITS
EΛE Sense Technology® optics	Effectively differentiates between gases in family
Optimized Flow System	Quickly pulls samples up to 500 ft. at 5LPM
Valveless Dual Pumps	Pump fail-safe to ensure continuous operation
Integrated Controller	Connect existing points into the system to monitor their status, readings, and alarms in real-time on the VISION 8 screen
Remote Server Access	Manage system and alerts while away from device
Intuitive Software Design	Easy touchscreen menu navigation to efficiently complete tasks
Plug-and-Play Cassette	No tape winding for fast cassette replacement
Internal RFID Sensor	Verifies cassette age and type for selected calibration
Small Footprint	Easily retrofits and installs into existing spaces
Energy Efficient	Consumes less than 1 Amp, a fraction of the energy of many legacy systems

Patented EYE Sense Technology®

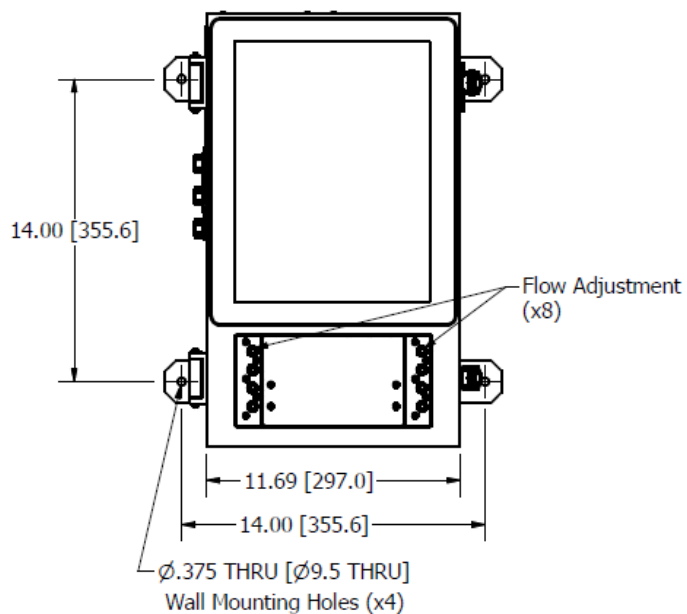


EΛE Sense Technology captures live video and provides colorimetric stain analysis to detect and differentiate between gases

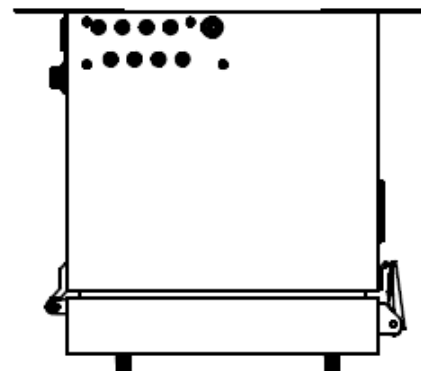
EΛE SENSE TECHNOLOGY®

The VISION 8 is the first of its kind to feature the highly innovative and patented EΛE Sense Technology. Pronounced “EYE Sense”, this technology is an integral part of a highly sophisticated optical system. Advanced fiber optics employ Effective Wavelength Evaluation (EΛE), allowing the VISION 8 to thoroughly analyze ChemLogic® colorimetric tape stains and differentiate between gases within a family. The bottom line, EΛE Sense Technology provides the fastest, most accurate and comprehensive results possible.

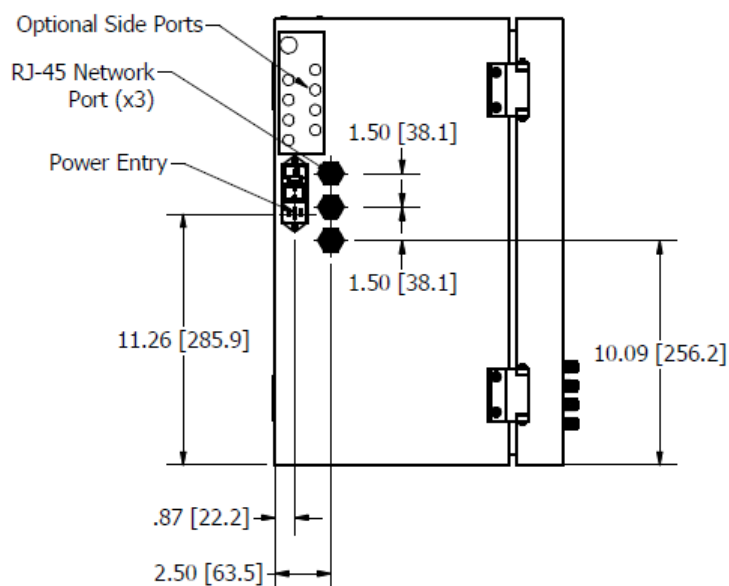
Dimensions



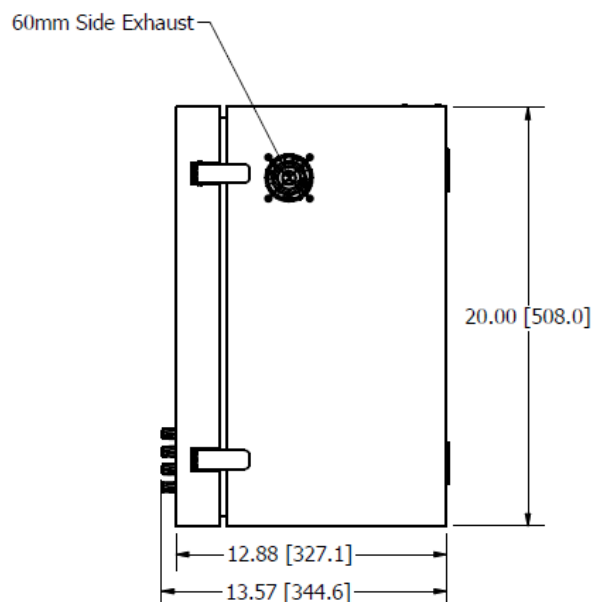
Front View



Top View



Side View (Left-Front Facing)



Side View (Right-Front Facing)



Specifications

Model / Detection Principle	V8 / EΛE Sense Technology® optics
Monitoring Points	8
Sample Distance	500 ft. (182m) - 0.25 OD, 0.187ID Teflon FEB tubing
Transport Flow Rate	5.0 LPM
Exhaust Tubing	25 ft. (7.62m) - 0.375" OD, 0.25" ID Poly-E (included)
Display	15" PCAP Multi-touch display / 3:4 aspect ratio
Local Alarm Indication	Visual on display
Relay Outputs	Programmable low and high-level faults (up to 72)
Operating Temperature	40°F to 104°F / 4°C to 40°C
Operating Voltage	100 - 110VAC (50/60Hz), 230VAC (50Hz)
Power Consumption	Less than 1 Amp
Enclosure	Powder coated steel
Dimensions	20"H x 14"W x 13.57"D (508mm x 355mm x 345mm)
Weight	65 lb. (29.48 kg)

Detectable Gases

Ammines

Ammonia (NH₃) 0-150 ppm

Hydrides

Arsine (AsH₃) 0-50ppb
 Arsine (AsH₃) 0-500 ppb
 Diborane (B₂H₆) 0-1,000 ppb
 Germane (GeH₄) 0-2,000 ppb
 Hydrogen Selenide (H₂Se) 0-25 ppm
 Hydrogen Selenide (H₂Se) 0-500 ppm
 Phosphine (PH₃) 0-300 ppb
 Phosphine (PH₃) 0-3,000 ppb
 Silane (SiH₄) 0-50 ppm

Oxidizers

Chlorine (Cl₂) 0-2,000 ppb
 Chlorine (Cl₂) 0-3,200 ppb
 Chlorine (Cl₂) 0-5,000 ppb
 Fluorine (F₂) 0-10,000 ppb
 Nitrogen Dioxide (NO₂) 0-30 ppm
 Nitrogen Dioxide (NO₂) 0-100 ppm

Mineral Acids

Boron Trifluoride (BF₃) 0-150 ppm
 Hydrogen Bromide (HBr) 0-20 ppm
 Hydrogen Chloride (HCl) 0-20 ppm
 Hydrogen Fluoride (HF) 0-20 ppm
 Nitric Acid (HNO₃) 0-6 ppm
 Sulfuric Acid (H₂SO₄) 0-750 ppb

Other

Acetic Acid (CH₃COOH) 0-50 ppb
 Bromine (Br₂) 0-1,000 ppb
 Carbonyl Sulfide (COS) 0-20 ppm
 Hydrazine (N₂H₄) 0-500 ppb
 Hydrogen Cyanide (HCN) 0-2,500 ppb
 Methylene Isocyanate (MIC) 0-10 ppm
 Phosgene (COCl₂) 0-1,000 ppb
 Phosgene (COCl₂) 0-1,000 ppb
 Phosgene (COCl₂) 0-1,000 ppb
 TDMAT 0-5,000 ppb



REALIBILITY & SUPPORT

DOD Technologies is the global leader in low level gas detection systems and solutions. We understand the importance of keeping your business operational and know that that false alarms can cost millions of dollars in lost productivity.

We offer a comprehensive line of ChemLogic® gas detection products, engineered to an enhanced standard of accuracy and reliability. Our worldwide network of knowledgeable service engineers are also ready to assist you with a passion for gas detection. The DOD Technologies portfolio includes fixed systems, portable gas detectors, controllers, systems integrations and on-site field services.

For more information, or to order, please visit us at DODtec.com.



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