



# DOD TECHNOLOGIES

The Leader in Low Level Toxic Gas Monitoring

The DOD64 FTIR Gas Monitor offers a unique solution to today's environmental monitoring needs. This system can detect and specify virtually any gas, chemical, or odor in an industrial process. It accomplishes this through analysis of the gas's infrared spectra. This system is integrated with all new state of the art controls and HMI systems. The sequential monitor can be customized to monitor between 16 and 64 points. The unique design simplifies the operations through a well thought out, customer driven engineering approach.



## ITEM | 64 POINT FTIR TOXIC DOD64 | GAS ANALYZER

**MOST SPECIFIC**



**GAS DETECTION**

**HYDROCARBON**



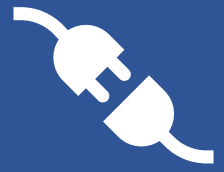
**SPECIFICITY**

**LOW**



**MAINTENANCE**

**ENERGY**



**EFFICIENT**



## KEY FEATURES & BENEFITS

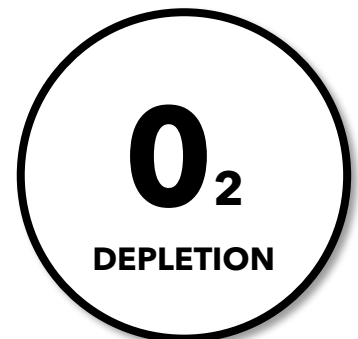
FEATURES	BENEFITS
Advanced Interferometer	Increased reliability, lower maintenance
20 Gases per Point	Cost-effective monitoring per point
50 Initial Gs Selections	Flexible to adapt to new requirements
MCT Bench Option	Stirling-cooled, detects at ppb levels (not standard)
Real-time Trend Display	Quick real-time information and spectra
Complete Front Access	Easy to service
Touch Control	Easy to start-up & operate
Compact Size	Simple to install
Remote Mountable I/O	Reduced cost of installation
16 to 64 Points	Flexible & expandable system
Sample Cell Vol. (400MI)	Quick sample fill time and analysis (min 10 sec)

## DETECTABLE GASES

This state-of-the art monitor saves the infrared spectra of area scans. These spectra provide a **fingerprint** of the air samples. With this print, virtually any gas can be detected and specified. Organics, PFC, CFC, HFC, NF<sub>3</sub>, and wide variety of other inorganic gases can be monitored.



*Over 250 gas curves developed for all types of gases*

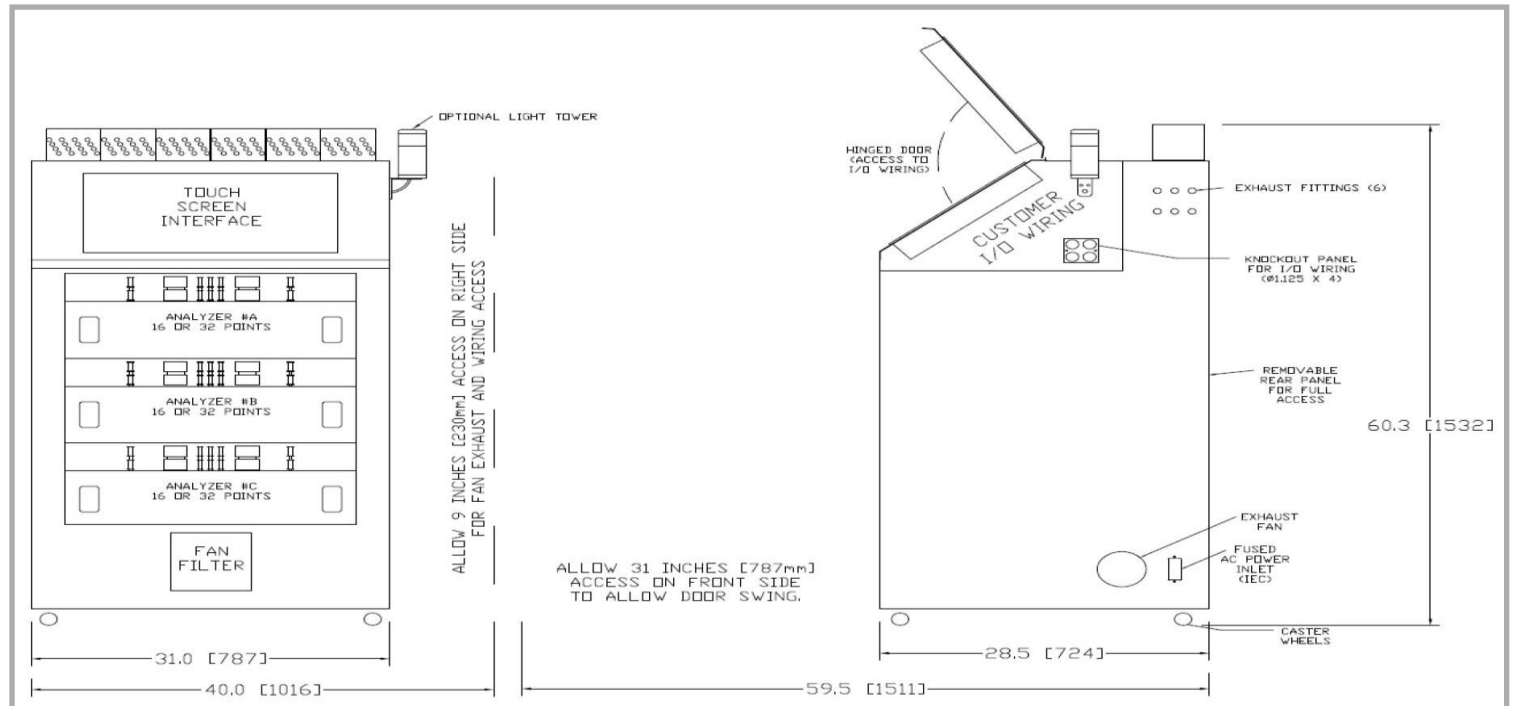




# TECHNICAL SPECIFICATIONS

SPEC NAME	SPECIFICATION DETAIL
Detection Principle	FTIR
Monitoring Points	16 up to 64 (in 16-point increments)
Sample Distance	400 ft. (122 m) - 1/4" OD x 3/16" ID Teflon FEP Tubing
Exhaust Tubing	25 ft. (7.6 m) - 3/8" x 1/4" Poly-E Tubing
Display	19" Color Touchscreen
Local Alarm	Visual on Display & Audible (with Light Tower)
Relay Outputs	Programmable low and high-level faults
Operating Temp.	40°F - 104°F   4°C - 40°C
Dimensions	59"H x 31"W x 28.5"D
Shipping Weight	450 lbs.
Operating Voltage	100-110VAC (50/6-Hz), 230VAC (50Hz)
Power Consumption	Less than 6 Amps
Enclosure	Powder Coated Steel
Spectral Range	8,300cm <sup>-1</sup> to 350cm <sup>-1</sup>
Spectral Resolution	4.0cm <sup>-1</sup>
Line Flow	Continuous line purge
Line Sample Analysis	Sequential (as little as 10 seconds per point)
Gas Cell Path Length	5 meters effective path
Gas Cell Construction	303 stainless steel
Mirrors	ZnSe or KBR
Communication	Ethernet, DeviceNet, OPC, Profibus, Modbus, ControlNet

# INSTALLATION DIMENSIONS (IN INCHES)





## 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.



Manufactured by:  
DOD Technologies  
675 Industrial Drive  
Cary, IL 60013



(815) 205-1590



[solutions@dodtec.com](mailto:solutions@dodtec.com)