

Surveyed

CISENSE OX Toxic Gas Test Meters

Advanced Environmental Instrumentation

Harnessing the Power of Mobile Computing

ODocumented

Reported



GrayWolf is transforming how to Measure, Data-log and Document worker exposure levels and indoor air quality parameters.

The DirectSense TOX probes, connecting to your choice of platforms, are powerful environmental data collection tools; intuitive and Easy-To-Use.

- Choose from SO₂, NO₂, NO, CO, H₂S, HCN, EtO, Cl₂, O₂, O₃, NH₃, HCl, H₂, SiH₄, AsH₃, PH₃, PID (TVOCs) ...and more
- Up to 6 gas sensors (plus TRH) per probe
- Connect multiple probes simultaneously
- "Snap-Shot" instantaneous data capture and long-term data trending
- On-board measurement tips, industry guidelines and help files

- Remotely access readings, log to the cloud via secure Microsoft Azure servers with optional GrayWolfLive™
- Password protect access or other highsecurity options available
- Stores measured data along with calibration history, associated photos, videos, text notes, audio notes ...and more
- OEM option for alternative data connection



Choose Your Platform:

AdvancedSense® Purpose-built GrayWolf Meters



GrayWolf Supplied Windows Tablets



Apple iOS and Android Devices (use your own or GrayWolf supplied)



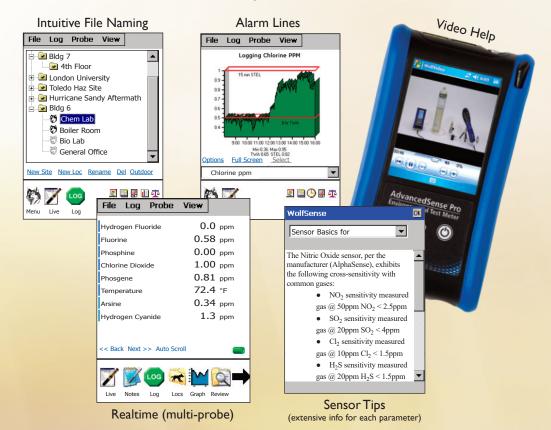
GrayWolfLive™ Cloud App



Or use your device as the instrument platform Remote Data Access to, and email/text alerts from, any WiFi enabled platforms via optional GrayWolfLive

Advanced Toxic Gas Measurement

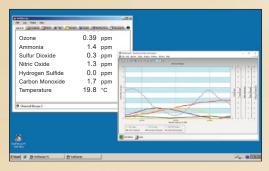
Example Screens



Documenting and data-logging gas parameters has never been easier. Provide a descriptive name for files using the virtual keyboard. Record your readings as snap-shot data captures, or as trend logs over time. On-board educational info.

Efficiently attach notes, in-situ (or after-the-fact) direct to data files:

- Photos
- Videos
- Infrared Images
- Audio
- Text
- Events (time-tagged text)



File Log Probe View

Pydrogen Fluoride

Photories

0.0 ppm

Chlorine 0.00 ppm

Chlorine Disaste

1.5.5 r

Anne 0.54 ppm

Thosphane

0.54 ppm

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GrayWolf manufactured meters, WIN tablets, and Android devices that are ideal for the application are available from GrayWolf; or connect probes to your own device.

GrayWolf's TOX kits come with WolfSense® PC software for data transfer, analysis, graph/report generation and/or simple export to Excel.











- Easy to calibrate all parameters
- Calibration history stored on smart sensor
- Select up to 6 gas sensors in one probe (plus %RH and °F/°C)

• Plus %RH **Temperature**



Display units as:

- ppb
- μg/m³
- ppm
- mg/m³

(mass concentration readings are autocompensated w/optional barometric pressure sensor)

VOCs (PID) plus 5 specific gases, %RH, and temperature



DirectSense II probes come with bench-top stand/ wall-mount charging cradle



Probe (connects via cable to AdvancedSense or WIN tablets)





Toxic exposure and/or IAQ applications with the appropriate sensors.

Sensors are true plug-and-play, and may be swapped on-site.

- Sulfur Dioxide (SO₂)
- Nitrogen Dioxide (NO₂)
- Nitric Oxide (NO)
- Carbon Monoxide (CO)
- Hydrogen Sulfide (H₂S)
- Hydrogen Cyanide (HCN)
- Hydrogen Chloride (HCI)
- Hydrogen Fluoride (HF)
- Ethylene Oxide (C₂H₄O)
- Chlorine Dioxide (ClO₂)
- Carbon Dioxide (CO₂)
- Diborane (B₂H₆)

- Ozone (O₃)
- Oxygen (O₂)
- Ammonia (NH₃)
- Chlorine (Cl₂)
- Hydrogen (H₂)
- Fluorine (F₂)
- Formaldehyde (HCHO)
- Phosphine (PH₃)
- Arsine (AsH₃)
- Silane (SiH₄)
- Phosgene (COCl₂)
- PID (TVOCs)



ZEPHYR-LDP Differential

Pressure Module (option for barometric)

Interface these meters to GrayWolf platforms; and/or use as stand-alones



PC-3016A

6-Channel Particle Meter (optional WolfRadio™ XM to transmit data directly to the cloud, iOS or Android)



PM-601 **Particulate** Concentration

DIRECTSENSE TO

GRAYWOLF

Toxic Gas Test Meters

SPECIFICATIONS: DirectSense II	Range/ Limit of Resolution Detection
GAS	(ppm) (ppm)
Ammonia (NH ₃) Standard range sensor	0.0 to 100.0 <1.0
Ammonia (NH ₃) High range sensor	0 to 1000 <5
Carbon Monoxide (CO) Standard range sensor	0.0 to 500 0.1
Carbon Monoxide (CO) High range sensor	0.0 to 5000
Chlorine (Cl ₂)	0.00 to 20.00 < 0.02
Hydrogen (H ₂)	0 to 1000 <2
Hydrogen Chloride (HCI)	0.0 to 20.0 <0.2
Hydrogen Cyanide (HCN)	0.0 to 100.0 <0.05
Hydrogen Sulfide (H ₂ S)	0.00 to 50.00 < 0.03
Formaldehyde (HCHO) (Inquire about higher range) standard range:	e) 0.00 to 1.00 <0.02
Nitric Oxide (NO)	0.0 to 250.0 <0.2
Nitrogen Dioxide (NO ₂)	0.00 to 20.00 <0.02
Oxygen (O ₂)	0.0 to 25.0% 0.2%
Ozone (O ₃)	0.00 to 1.00 <0.02
Sulfur Dioxide (SO ₂)	0.0 to 50.0 <0.1
Arsine (AsH ₃)	0.00 to 1.00 < 0.03
Chlorine Dioxide (ClO ₂)	0.00 to 1.00 < 0.03
Diborane (B ₂ H ₆)	0.00 to 1.00 < 0.03
Ethylene Oxide (C₂H₄O)	0.0 to 100.0 <0.1
Fluorine (F ₂)	0.00 to 1.00 <0.02
Hydrogen Fluoride (HF)	0.00 to 10.00 <2
Phosgene (COCI ₂)	0.00 to 1.00 <0.02
Phosphine (PH ₃)	0.0 to 10.0 <0.1
Silane (SiH₄)	0.00 to 50.00 <0.1
Carbon Dioxide (NDIR CO ₂)	0 to 6,000 I 10,000 or 20,000
TVOC (PID) 4 ranges from low ppb	b to 10,000ppm, suitable for varied

VOC (PID) from low ppb to 10,000ppm, suitable for varied IAQ, mfg, and toxic gas exposure applications. Contact GrayWolf for specifications.

Accuracy: ±0.3°C Temperature: (PT100) Range: -10.0° to 160.0°F (-25.0° to +70.0°C)

Relative Humidity (capacitive) Accuracy +/- 2%RH 0 to 80%RH, +/-3%RH >80 to 100%RH

0 to 98%RH (non-condensing), -20° to 50°C

Specific gas sensors may have a reduced operating range

3.3" (83mm) W x 2.2" (55mm) H x 11.6" (295mm) L Probe Dimensions (DSII):

Weight (probe): without sensors 1lb (0.46kg)

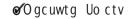
Power (probe): 6600mAh Li-Ion rechargeable Typical battery life 9 hours to 36+ hours dependent on sensor mix

Meter/Tablet/Smartphone battery life varies by make and model

Typical sensor life, sensor drift and response times vary by sensor

URCEKHECVKQPUCTGUWDLCEVVQEJCPIGYKVJQWVHWTVJGTPQVKEG

· Automated reporting software, and many other accessories are available from GrayWolf. View them on our website at graywolfsensing.com/accessories/







◆ PCC-25 Dual-Probe Security Case

PCC22-API ▶ Hardshell Case



CA-HD4-AI ▶ Calibration Cap



ACC-BELTCL-2 or ACC-**BELTCL-3** beltclips for convenient walk-thru measurements or personal protection monitoring.



▲ CA-GSXX Gas Calibration Kits. Specific calibration gases are available in various portable cylinder sizes



Nylon carrying case for ACC-TPD1 tripod, mounting hardware, and added accessories

DirectSense TOX kits are available that include the platforms of your choice. These complete kits also come with WolfSense PC desktop data transfer software, hardshell case, required accessories and much more. Contact GrayWolf for details.

GRAYWOLF SENSING SOLUTIONS

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