TOTAL
PROTECTION SOLUTION

3S INSTRUMENTS

An ISO 9001 : 2008 Certified Company

GAS HAZARDS

- Portable Gas Detectors
- Fixed Gas Detection Systems
- Leak Detectors / Leak Rate Detectors
- Aerosol Monitors, PM 1.0, PM 2.5, Resp., PM 10.0 and Total
- Air Quality (IAQ) Monitor
- Combustion Emmission Analysers
- Gas Sensing Solution (Specialised)

- Standard NDIR Based Gas Benches
- Respiratory Air Monitors

TEMPERATURE

- Thermal Imagers
- Non Contact IR Thermometer
- Contact Type Thermometer
- Calibrators

Three S Instruments Pvt. Ltd. is engaged in businesses of International quality products based on complete knowledge & assured after sales-services with back up of

GfG   **LUMASENSE TECHNOLOGIES**   **TSI**   **ION**   **E INSTRUMENTS**   **Wahl INSTRUMENTS INC.**

With complete technical know how & team of experts, we provide free warranty services. There after we undertake annual maintenance contracts as well as gas calibration contracts on regular basis.

Calibration of Gas Instruments with International Certified Gases
Pickup and return of instruments from any where in India

Contact at : sales@3si.co.in

● *Bangaluru* : bangalore@3si.co.in ● *Chennai* : chennai@3si.co.in ● *Kolkatta* : Kolkatta@3si.co.in ● *Mumbai* : mumbai@3si.co.in

www.3si.co.in

Multi Gas Detector Polytector III G999
With integrated suction pump and optional Bluetooth and radio module

- the smallest and most light-weighted 4-7gases.
- Send Live measured data - GfG Link or to mobile app by Bluetooth
- Individual sensor configuration—any profile requirement.
- Ex Protected Integrated lamp, ATEX approved
- Data logger & Man down alarm
- IP 67, Hybrid sensor (%LEL, PPM, % Vol.), PID & NDIR sensor

20.9

Multi Gas Detector G460 & G450
The World's Most Advanced Multi-sensor Atmospheric Detector

- Up to 7 gases of detection, including…**PID sensor for direct reading of Volatile Organic compounds**
- **Full 3-year warranty on O2, combustible, CO and H2S sensor's, CO2, (IR)**
- Wide range of additional sensors including CO2, SO2, Cl2, NH3, HCN, HCL, PH3, H2, NO, No2, ClO2, O3, Silane, Sulphur dioxide & ETO and more with 2 year warranty

DS 400
Docking Station for G 450 & G 460
- **Fully automatic** functional bump test and calibration
- **automatic** test of alarms and charging
- **automatic** record keeping

Single Gas Detector

Get A Grip On Gas Hazards

C2H4O
Cl2
H2S   CO
ClO2
HCL
HCN
O2
COCl2
NH3
NO
H2
NO2
PH3
SO2
O3

MICRO

With Pump

MICRO IV
smallest size. Non-disposable MICRO IV
- **Three years sensors* warranty**
- AutoCal® calibration
- User replaceable "AA" battery and sensors
- Ultra bright alarm lights and 91dB horn
- Interchangeable sensors
- TLV/STEL/TWA Reading & Datalogging (MICRO IV)
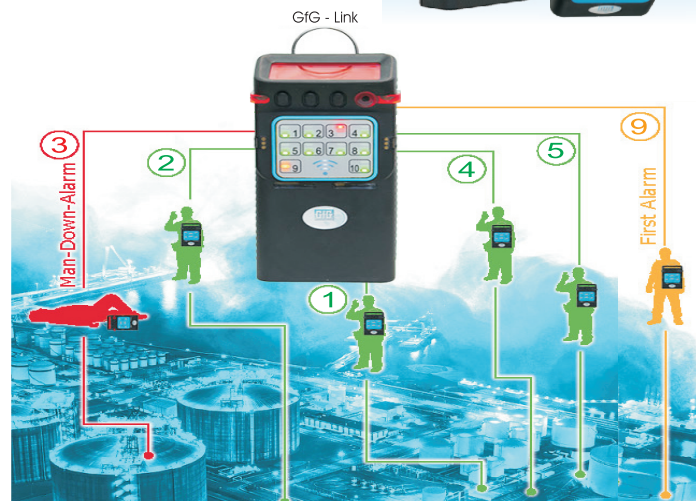- ON "AA" Battery last upto 9 months
- *** For CO, H2S & Oxygen only**

Docking Station

Multi Gas Detector Microtector III G888
Gas Detector with optional Bluetooth and radio module

- Send Live measured data - GfG Link or to mobile app by Bluetooth
- AutoCal function.
- Ex protected Integrated lamp
- Data logger & Man down alarm
- IP 67, ATEX APPROVED

20.9

GfG - Link

③
②
④
⑤
⑨
①
Man-Down-Alarm
First Alarm
1 2 3 4
5 6 7 8
9 10

LEAK DETECTORS / LEAK RATE DETECTORS

Portable Leak Detector
G 300 Series
- Small, light and durable leak detector
- For Methane, LPG, Natural gas, CNG, LNG Referigerants and Ammonia
- More than 8 hours continuous operation
- Explosion-proof models available

GasCheck

Series G1, G2, G3 The GasCheck G gas leak detector represents the latest in gas detection technology. Its advanced system of micro thermal conductivity enables improved sensitivity for the rapid, effective detection of gas leaks down to cc/sec, mg/m³ or ppm levels.
Gases He, Hydrogen, Ammonia, Butane, Krypton, Methane, Sulfur hexafluoride, Acetone, Argon, Refrigerant R502, R404a, R410a, Duetrium oxide, Hydrogen Sulphide, Acetylene, Ethane, Ethylene Oxide, Nitrogen, Oxygen. The Only ATEX Approved Gas Leak Detector. The instrument can be used on an MRI scanner whilst in operation,

FIXED GAS DETECTION SYSTEM - CONTROLLERS

GMA200MW (Wall) / MT (Rack) / GMA200RT / RTD
- High Performance Gas Warning System
- Freely Programmable connection of detectors for measuring combustible and toxic gases/vapours & Oxygen
- Other measuring devices/transducers with 4…20mA output signal possible
- Freely programmable Relays
- 16 analogue inputs, 2 digital inputs and 2 RS485 BUS for relay modules or digital transmitters, 1 X RS485 Bus for relay module for extension to add 16 additional relays

GMA 300/100
Fixed gas monitoring system
- Intelligent & flexible Gas monitoring & warning system
- 1 to 4 sensor controller Function tested by DMT - IBS / PFG
- Retransmission output 4-20mA available
- Suitable for all combustible, Toxic, Oxygen & Hydrogen Transmitters

GMA 300 / 100

GMA 40 Series

GMA 40 Series
Gas Monitoring Controllers
- Single or four channel controller
- Easy mounting on DIN-rail
- Multiple alarm points with relays

IR based HC gas Detector IR 29i/Di
Infrared Transmitter for Combustible Gases

- First intrinsically safe infrared transmitter for explosion protection
- ATEX II 1G Ex ia IIC T4 Ga C0158 can also be used in Ex zone 0
- Temperature, moisture and pressure compensation
- Patented infrared (NDIR) 4-beam 4-wavelenghth
- The energized IR sensor head can be replaced in Ex areas
- Maintenance and service-friendly

IR 29Di *

IR 29i **

* IR 29 Di - Intrinsically safe transmitter for hydrocarbons (LEL) with graphical display
** IR 29 i - Intrinsically safe transmitter for hydrocarbons (LEL)

Transmitters CC28 - Combustible gases

Display of gas concentration at transmitter
Ex-proof visual and audible alarm
ATEX approval II 2 G EEx dem ib IIC T4
Output 4-20 mA,
Casing Protection Ip64
Electromagnetic Interference Protected

with Local Display & Alarm CC 28 DA

with Local Display & Alarm C 28 D

Blind CC 28

Gases Name (Range in 0-100 % LEL)

Methane	CH_4	Toluene	C_7H_8	Heptane	C_7H_{16}
Propane	C_3H_8	Ammonia	NH_3	Methanol	CH_4O
Hydrogen	H_2	Acetylene	C_2H_2	Methyl acetate	$C_3H_6O_2$
Aceton	C_3H_6O	Benzene	C_6H_6	Methylisobutylketone	$C_6H_{12}O$
Diethylether	$C_4H_{10}O$	n-Butane	C_4H_{10}	Octane	C_8H_{18}
Ethylene	C_2H_4	Butane-iso	C_4H_{10}	Pentane	C_5H_{12}
Ethyl acetate	$C_4H_8O_2$	2-Butanol	$C_4H_{10}O$	Propine	C_3H_4
Hexane	C_6H_{14}	2-Butanon (MEK)	C_4H_8O	Propylene	C_3H_6
CC sensor Methane	CH_4	Cyclohexane	C_6H_{12}	Xylene	C_8H_{10}
n-Nonane	C_9H_{20}	Dimethyl ether	C_2H_6O	Carbon monoxide	CO
Propane	C_3H_8	Ethane	C_2H_6	Natural gas	HC-Mixture
Isopropanol	C_3H_8O	Ethanol	C_2H_6O		

Transmitters EC28 - Electrochemical Sensors

For toxic gases, oxygen and hydrogen
ATEX certificate ⟨Ex⟩ II 1 G EEx ia IIC T4 / ⟨Ex⟩ II 2 G EEx em [ib] IIC T4
One-man calibration at transmitter Plug-in smart sensor

- Output signal 4 – 20 mA,
- Casing protection IP64
- Intrinsically safe (EC28i, EC28 Di) 1 relay (EC28 DAR),
- Electromagnetic Interference Protected - EN 50270

Gases and Detection Ranges (ppm)

Ammonia NH3	Chlorine Cl2	Chlorine dioxide ClO2	Hydrogen chloride HCl	Hydrogen cyanide HCN	Ethylene oxide C2H4O	Hydrogen fluoride HF	Carbon monoxide CO
0 .. 200 0 .. 500 0 .. 1000	0 .. 50 0 .. 250	0 .. 2	0 .. 30 0 .. 200	0 .. 50 0 .. 200	0 .. 100	0 .. 10	0 .. 500 0 .. 2000

Ozone O3	Phosgene COCl2	Oxygen O2	Sulfur dioxide SO2	Hydrogen sulfide H2S	Silan SiH4	Nitrogen dioxide NO2	Nitrogen monoxide NO	Hydrogen H2
0 .. 1 0 .. 5	0 .. 2	0 .. 30 Vol.-%	0 .. 50 0 .. 500	0 .. 200 0 .. 1000	0 .. 50	0 .. 50 0 .. 200	0 .. 300 0 .. 1500	0 .. 2000 0 .. 1 Vol.-% 0 .. 4 Vol.-%

Transmitter IR 24

a For Carbon Dioxide (CO2) and methane Infrared based Transmitter with Infrared (NDIR) Sensor Stationary Monitoring of CO2 Range 0-5% vol., 0-15%vol., 0-20%vol., 0-25%vol., 0-50%vol. or 0-70%vol.

b for Methane 0 - 100% Volume

TVOC is a fixed continuous VOC detector for the detection and measurement of total volatile organic compounds (VOCs).

A robust fixed VOC detector, TVOC has a selectable detection range of 0 – 10 ppm, 0 – 100 ppm or 0 – 1000 ppm and is ideal for use in manufacturing and process industries where VOCs are typically present.

With a 4 - 20 mA analogue output, the TVOC VOC detector can be simply integrated into a DCS control system to provide warnings and enable control of high VOC levels in the working environment, ATEX approved.

Transmitter ZD21
Prevention of oxygen deficiency/enriched
Extremely fast response time: t90< 2 sec.
No influences from pressure, humidity or temperature, "intelligent" transmitter.

CS 21 Transmitter
Lowest solid state sensor high sensitivity to observe Range of refrigerants sensor.
CS 21 with external sensor, detection principal - chemosorption.
For CH_4, C_8H_8, C_8H_{10}, CO, H_2, NH_3 etc.

EC30 Transmitter
Remote transmitter for O2 & Toxic gases
Explosion proof handling

Transmitter Series 22 - Affordable Solution

- Optional Display
- Long Service Life of the sensors
- High Efficiency &low follow-up costs
- Sturdy plastic housing (IP54)
- Cost-effective single-man adjustment
- On-site alarm through colored display& integrated audible alarm

Transmitter EC22 For Toxic Gas ,O2 and Hydrogen
Transmitter CC22 for Combustible gases
Transmitter ZD22 Fro O2 based upon Zirconia sensor

Transmitter CI 21 Carrier Injection NH3 Monitoring in Refrigeration Plants
Low temperature operate in upto -40 °C
Selective and precise detection even in almost dry air and up to 100 % rel. humidity. No false alarm from hydrogen, natural gas, carbon monoxide, oil vapours. No damage by high ammonia concentrations. NH3 - 0 to 200ppm, 0 to 1000 ppm or 0 to 10000ppm.

3S INSTRUMENTS

DUSTTRAK™ DRX and DUSTTRAK™ II
AEROSOL MONITORS
MODELS 8533, 8533EP AND 8534
MODELS 8530, 8530EP AND 8532
Real-time Dust & Aerosol Monitoring For Any Environment, Any Application

Features and Benefits All Models

- Real-time mass concentration and size fraction readings, as well as data logging allow for data analysis during and after sampling.
- Simultaneously measure size-segregated mass fraction concentrations corresponding to PM1, PM2.5, Respirable, PM10, and Total PM size fractions
- Easy-to-use graphical user interface with color touch-screen for effortless operation

Environmental DUSTTRAK™ Aerosol Monitor EDT2.5/EDT 10/EDT DRX

- Simultaneously measure size- segregated mass fraction concentrations corresponding to Pm1, PM2.5, Respirable, PM 10 and total PM size fractions
- Perform in-line gravimetric analysis for custom reference calibrations
- Environmentally protected and tamper-proof with environmental enclosure
- Cloud Data Management System for efficient remote monitoring anywhere

PERSONAL AEROSOL MONITOR
SIDEPAK ™ AM-520
- Real-time aerosol readings of dusts, fumes, mists, smoke and fog within a worker breathing zone.
- Real – time mass concentration range PM10, Respirable (PM4), PM2.5, Pm1 and 0.8μm Diesel Particulate Matter (DPM).
- Audible and Visual Alarms
- High capacity battery (more than 20 hours)
- Aerosol Concentration Range 0.001 to 100 mg/m3

PORTACOUNT® RESPIRATOR
FIT TESTER
Models 8040/8048
available for proven quantitative fit testing of all respirators,
- Half-mask fit testing
- Full-face fit testing
- SCBA ,Gas mask and PAPR fit testing
- Quantitative respirator fit testing (QNFT)\
- Automates fit testing with FitPro+™ Fit Test Software
- Disposable filtering-face piece fit testing for Series 100/99/95/P1/P2/P3 masks

Primary Calibrator
- Provides continuous real-time volumetric flow rate readings, so pump adjustment and calibration is fast and easy
- Battery powered, compact and lightweight
- Comes with a NIST traceable calibration certificate

AIR QUALITY MONITORS

AIRASSURE™ INDOOR PM2.5
Mass Concentration Monitor
MODEL IPM2.5-AD

REAL-TIME AQ MONITORING THAT YOU CAN TRUST

- Measures PM2.5 at aglance
- Wall mounted ideal - inside commercial buildings
- Analog & Ethernet output – ideal for multiple networking units
- Auto Zero Mechanism

Q-TRAK™ MULTI-FUNCTION INDOOR
Air Quality Monitor
MODEL 7575 with VOCs

- Simultaneously measures CO2, CO, temperature and humidity
- Calculates dew point, wet bulb and percent outside air.
- One instrument with multiple plug-in probe options including VOCs in PPB and air velocity
- Stores upto 39 days of data@ I minute interval
- Track pro Data analysis software
- Blue tooth communication

AQ EXPERT
Portable Indoor Air Quality Monitor

- Customize parameter up to 7 Gases
- CO2, CO, % RH, Temp, TVOC's, O2, NO, NO2, O3, CH2O, SO2, H2S, Barometric Pressure
- Real-Time Data-Logging Software For Graphs, Data Review, IAQ Reports
- Wireless Communications

PORTABLE EMISSIONS AND COMBUSTION ANALYSERS

Providing the Latest in Combustion Gas & Emissions Analyzers for Boiler, Engine, Furnace, and Other Combustion Applications

- Up To FOUR Gas Sensors
- Low NOx & Total Nox
- Draft & Differential Pressure
- Combustion Efficiency
- CO Sensor w/ NOx Filter
- 2 Channel Thermometer

E1500 For O2, CO, CO2 (H2 Compensated w/built in NOx Filter)
E4500 Upto Four Gases (O2, CO, CO2, NO, NOx, NO2, SO2 & HC)
E6000 Upto Six Gases (O2, CO, CO2, NO, NOx, NO2, SO2, HC & H2S)
 Rest Same as above 4500

E8500 Plus
Industrial Combustion Gas & Emissions Analyzer Providing the latest in Combustion Gas & Emissions Analyzers for Boiler, Engine, Furnace, and other Combustion Applications O2, CO2, CO, NO, NO2, NOx, SO2, H2S, CxHy, Flue Gas & Air Temp., Draft & Diff. Pressure, Stack Gas Velocity

- Built-In Thermoelectric Chiller
- Automatic Condensate Drain Pump
- Wireless Remote Printer
- True NOx Measurements
- NDIR Sensors
- Rechargeable Battery
- CO Dilution Auto-Range
- Up to 9 Total Gas Sensors
- Gas Velocity with Pitot Tube
- Wireless Communications with Computer & Remote Printer

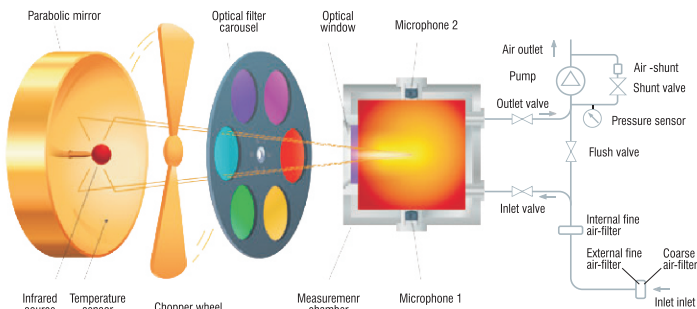**E9000** Portable Industrial Flue Gas & Emissions Analyzer, Up to 9 Total Gas Sensors

- Built-In Thermoelectric Chiller
- Automatic Condensate Drain Pump
- Wireless Remote Printer
- True NOx Measurements
- NDIR Sensors
- Rechargeable Battery
- CO Dilution Auto-Range
- Up to 9 Total Gas Sensors
- Gas Velocity with Pitot Tube
- Wireless Communications with Computer & Remote Printer

PHOTOACOUSTIC SPECTROSCOPY

Parabolic mirror — Optical filter carousel — Optical window — Microphone 2
Air outlet — Pump — Air-shunt — Shunt valve — Outlet valve — Pressure sensor — Flush valve — Inlet valve — Internal fine air-filter — External fine air-filter — Coarse air-filter — Inlet inlet
Infrared source — Temperature sensor — Chopper wheel — Measuremenr chamber — Microphone 1
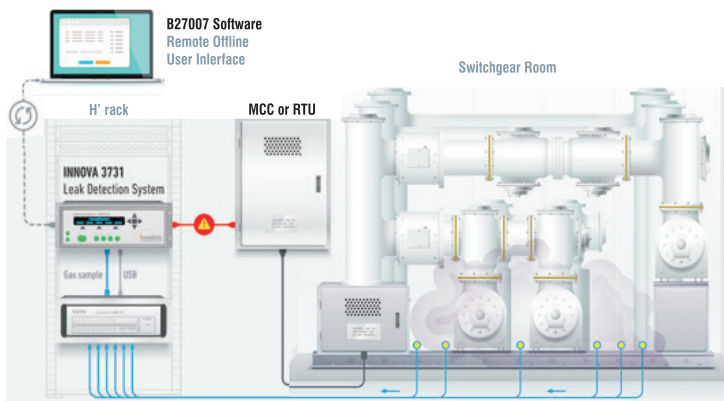
Photoacoustic Spectroscopy (PAS) gas instruments were pioneered and perfected by INNOVA™. With PAS, the absorption (proportional to the concentration) is measured directly and not relative to a background, making PAS highly accurate and stable. Furthermore, all gases and vapor in small volumes can be monitored sequentially in a single measurement chamber as it is possible to detect up to five substances and humidity to be monitored individually.
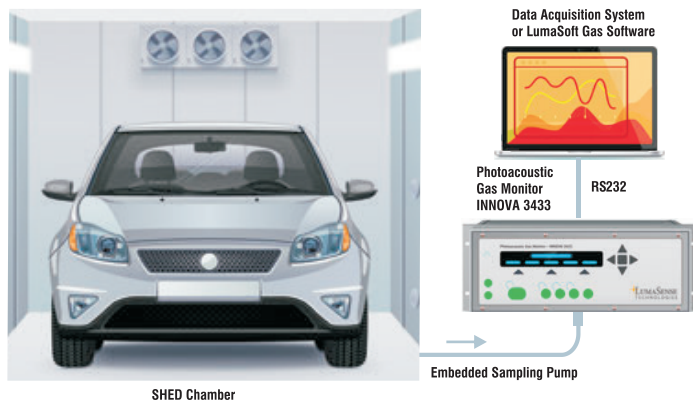
APPLICATIONS with Specialised Software

SF6 LEAK MEASUREMENT SOLUTION

Sf6 Leak Detection System – 3731
• Ultra-sensitive, with a limit of detection at 6 ppb
• Available in 12 or 24 channels, with sampling lines that can extend to 75 m
• Exceptional accuracy with auto-compensation for temperature and pressure fluctuations, and for water vapor interference

B27007 Software Remote Offline User Inlerface
Switchgear Room
H' rack — MCC or RTU
INNOVA 3731 Leak Detection System
Gas sample — USB

Automotive Emissions Monitoring

Data Acquisition System or LumaSoft Gas Software
Photoacoustic Gas Monitor INNOVA 3433 — RS232
Embedded Sampling Pump
SHED Chamber

LumaSense's INNOVA 3433 Multi Gas monitor is used to measure evaporation emissions (SHED) and vehicle exhaust gas (Constant Volume Samples CVS) approved by EPA and CARB. The INNOVA 1412i can also be used for measurements of Mobile Air Conditioner emissions R134a and HFO-1234yf.

PAS BASED GAS MONITORING SYSTEMS

INNOVA 1412i

1412i : Emission monitoring of greenhouse gases from agricultural production, Monitoring of anaesthetic agents in hospitals, Ventilation and air exchange using tracer gas, OHS measurements

INNOVA 1314i

1314i : Emission monitoring - of exhausts from chemical processes, NH3 in stacks, scrubber efficiency, and filter break-through, Process quality control measurements, OHS measurements and Automotive monitoring - of alcohol content in vehicle exhausts and production of NH3 and N2O in diesel exhausts.

INNOVA 3434i

3434i : SF6 Leak Detector - Fast, accurate, quantitative leak testing of GIS for routine quality control or during field commissioning, Area monitoring in substations, Circuit breaker leak testing and Power Utility (Energy T&D)

INNOVA 1403 Multi Point Sampler & Doser

1403 : Multipoint sampler & Doser Full remote control from a PC With special software.

INNOVA Multi Point Sampler 1409

1409 : Multi Point Sampler upto 24 points Full remote control from a PC With special software.
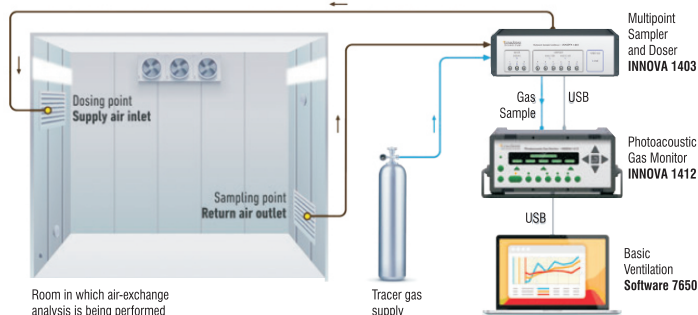
APPLICATIONS with Specialised Software

Environmental Emission Monitoring

There is an expanding list of environmental and emission applications where gas sensing solutions are needed. Our INNOVA gas instruments have measured NH3 in swine and poultry stables, CH4 in cattle and poultry stables, N2O from stables and fertilizer, CH4 from decomposing biomass, and in greenhouses and rice cropping.

Ventilation Performance
Advance Tracer Gas Systems - 3751-2 / 3751-5

Multipoint Sampler and Doser INNOVA 1403
Gas Sample — USB
Dosing point Supply air inlet
Sampling point Return air outlet
Photoacoustic Gas Monitor INNOVA 1412
USB
Basic Ventilation Software 7650
Room in which air-exchange analysis is being performed
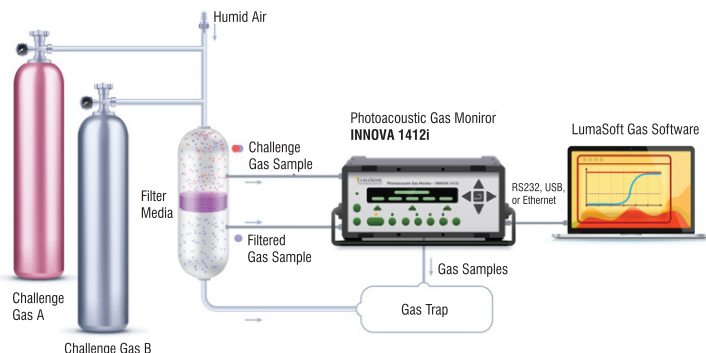Tracer gas supply

Air Change Rate, or Age-of-air determination Infiltration (or inleakage) characterization Volumetric or mass flow rate measurement using tracer gas dilution Contaminant spread analysis, Re-circulation or re-entrainment testing Capture efficiency of extraction systems

AIR PURIFICATION DEVICES TESTING USING PRECISE MULTI GAS MONITORS

Humid Air

Photoacoustic Gas Monior
INNOVA 1412i

LumaSoft Gas Software

Challenge Gas Sample

Filter Media

Filtered Gas Sample

RS232, USB, or Ethernet

Gas Samples

Challenge Gas A

Challenge Gas B

Gas Trap

Schematic view of a typical set-up for testing of filter breakthrough characteristics, with a single Photoacoustic Gas Monitor capable of measuring both the upstream and the downstream concentrations for a selection of challenge gases

7950 MULTI-POINT SOFTWARE

- Perform gas-monitoring tasks in up to 24 different locations
- Stores up to five gas concentrations for each location
- Real time displays of measurement data in both table and graphical window
- Login-secured access to measurement data
- Alarm reporting for each gas at each measurement location

Multi Gas Monitor

INNOVA 1316-1

- **Measures up to 5 gases** HC, CO, CO2, NO & O2 for Process control, Chemical plant monitoring, Biogas monitoring, Fermentation monitoring, Exhaust monitoring.

INNOVA 1316-2

- **Refrigerant Leak Monitor INNOVA 1316-2 :** Measures most common refrigerants for Refrigerant leak monitoring & Leak Detection.

INNOVA 1316-3

- **Fermentation Monitor INNOVA 1316-3 :** Oxygen, Carbon Dioxide, and Ethanol monitoring from a single sampling point for laboratory, pilot, and light industrial applications.

ANDROS NDIR Standard Bench for Automotive and Industrial Gas Monitoring

Model 6500 for Hexane or Propane, CO2, CO with NOx & O2 with DP Transducer

Model 6520 for Hexane or Propane, CO2, CO with NOx & O2 w/o DP Transducer

Model 6511 for Methane, CO2, CO with NOx & O2

Model 6552 Freon for Refrigerant Leak Detection Calibrated for R404A, R507C and CO2.

RAM 741 - Portable/Multi user option

- Meets OSHA Requirements for Compressed Breathing Air
- Continuous Monitoring of Supplied Air
- Carbon Monoxide and Vapor Detection
- AutoCal® Calibration and Maintenance
- Three Stage Filtering Option for up to 8 users

RAM 4021 - with CO, Dew Point & CO with Dew Point

- Meets OSHA Requirements for Compressed Air
- Continuous Monitoring of Breathing Air
- Optional Oxygen or Dew Point Monitoring
- AutoCal® Calibration
- Multiple Filter Panel Options

Portable Remote Compressed Air Monitor

HEATSPY
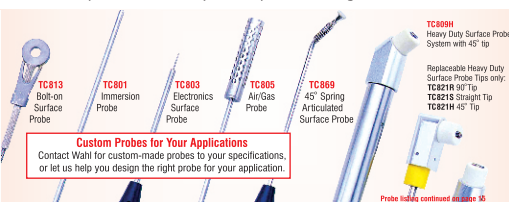
a50 Inspector/a30 Detector
upgrade both models, "a" speed at 9 Hertz captures clear, sharp images!
Camera acclimates quickly, every Pixel is individually calibrated!
"Double Vision" provides simultaneous capture, Hands-free flashlight

HEAT Prober 2500/1370 Series Type K Thermocouple Meters
Meter range -100 to 2500°F or -70 to1370°C
Meter accuracy is ±0.2% of reading ± 1 digit
Maxi-Temp® automatically holds peak reading

TC809H
Heavy Duty Surface Probe System with 45° tip

Replaceable Heavy Duty Surface Probe Tips only:
TC821R 90°Tip
TC821S Straight Tip
TC821H 45° Tip

TC813 Bolt-on Surface Probe

TC801 Immersion Probe

TC803 Electronics Surface Probe

TC805 Air/Gas Probe

TC869 45° Spring Articulated Surface Probe

Custom Probes for Your Applications
Contact Wahl for custom-made probes to your specifications, or let us help you design the right probe for your application.

WAHL Heat-Prober Dipstick high-temperature Thermometers Measure Temperature of ferrous and non ferrous molten metals in monitor stoke

WAHL UNIVERSAL CALIBRATORS
Simultaneous Measurement and Source or Dual Measurement Channels
IP54 Automatic Calibration on HART Protocol Transmitter 21 CFR part 11 compliant
Measure and Generate Voltage, Current, Frequency, Resistance Signals, Resistive Probes and Thermocouples
Pressure Measurements when used with optional External Pressure Module for Absolute or Relative Pressure

Wahl TEMP-PLATE® RECORDER #240

150°F 200°F 250°F 300°F
BLACK WHEN EXPOSED PAT. 3,002,385

Wahl Temp-Plate®
Irreversible Temperature Recorders These economical non-reversible chemical change thermometers instantly record an overheat occurrence and provide a permanent, NIST - traceable record.

Three S Instruments Pvt. Ltd.