

ADVANCED MOBILE AIR QUALITY MONITORING UNIT

Diagnostic Advanced Mobile Air Quality Monitoring Unit has as many state of the art features, as is nowadays available. It is run by well trained operators, backed by nearly 20 years of company oil field regulatory testing, compliance monitoring and safety experience.



FEATURES

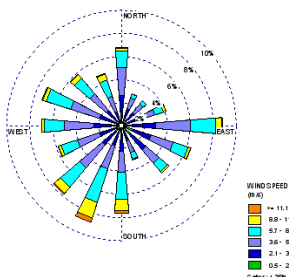
API / TECO H₂S, SO₂, NO_x, O₃, THC AND TEOM ANALYZERS
STATE OF THE ART DATA LOGGER & PROCESS CONTROL UNIT
METEOROLOGICAL SENSORS, ELECTRONIC AUTO COMPASS, GPS
PRE & POST PROJECT CALIBRATIONS
EMERGENCY STAND BY UNITS 24HRS - 7DAYS / WEEK
4 X 4 UNITS OR TRAILERS AVAILABLE
CLIMATE CONTROLLED INSTRUMENT ONLY SPACE
MASSIVE POWER BACK-UP SYSTEM, 2 GENERATORS
REAL TIME DATA TRANSMISSION

BENEFITS

TRUE REPRESENTATION OF DATA
INCREASED COMMUNITY RELATIONS
CONTINUOUS REAL TIME DATA COLLECTION
DETECTION OF POLLUTANTS IN PPB
DAILY REPORTS WITH ON SITE PRINT OUTS
ABLE TO WORK IN ROUGH TERRAIN
INCREASED ACCURACY THROUGH ADVANCED COMPONENTS
OPERATES WITHOUT GENERATORS FOR EXTENDED TIME
DATA AVAILABLE TO SEE VIA THE INTERNET

APPLICATIONS

- DRILLING, COMPLETING & SERVICING SOUR WELLS
- GAS PLANT TURNAROUNDS & PROCESS UPSETS
- RECLAMATION PROJECTS
- PULP & PAPER MILLS
- CHEMICAL, CEMENT, & ASPHALT MANUFACTURERS
- POWER GENERATION STATIONS
- COMMUNITY AIR MONITORING REQUESTS AND RELATIONS
- GOVERNMENT REQUESTS
- EMERGENCY RESPONSE PLANS
- 24 HR EMERGENCY NUMBER: 403.542.4600



- Parked always in “**Emergency Response – Ready to Go**” position, with analyzers “**Hot**”
- **Multiple Point Calibration** before and after each survey, also on the project as required
- **Zero and Span** check on all analyzers performed **daily**
- Available also for **dedicated** to “your project only” **standby**
- Optional equipment **NO/NO₂/NO_x, Ozone, Total Hydrocarbons** (THC) and **Real Time Automated PM 2.5 and PM 10** (TEOM)
- Advanced **Glass** Sample Inlet and Manifold Systems
- The **climate controlled** instrument space is **enclosed and separated** from operator induced disturbances
- **In real-time** data tele-transmission to strategic locations, or **via internet** access to authorized client or user
- Equipped with **electronic auto compass** for wind direction alignment
- All geographical monitoring points correlated to **GPS** co-ordinates
- H₂S and SO₂ **calibrator on board** all the time
- All calibration equipment **verified** regularly by **Alberta Environment**
- Data collected, stored and archived for **5** minutes, **15** minutes and **60** minutes intervals, in the format of **block** or **rolling** average.
- All instruments continuously working in **Low** and **High Range**
- Each unit equipped with monitored gas limits and instruments temperature **Alarm System**
- Data includes H₂S and SO₂ concentrations (or other optional gases), wind speed, wind direction, maximum wind speed, temperature, and other optional parameters, as required
- Raw Data and final reports archived electronically indefinitely (**minimum 3 years**)
- Each unit equipped with all standard **safety equipment**, including personal gas monitors
- Each unit operates on two independent power generators, with **massive power back-up** system for emergency, maintenance or **long quiet** monitoring period in the urban areas
- Mobile unit is in constant telecommunication with the **meteorological tower** on the site of potential emissions, to assume **always the correct** down wind position
- **Comfortable** space for operator to perform the monitoring duties, or to rest, separated from the instrumentation space
- Operated by company trained, experienced, **full time staff**. Crew is in regular, scheduled **safety contact** with the base
- Company is licensed to practice engineering driven operations by **APEGGA** since 1989
- Company has a **Certificate of Recognition** under Partnership in Health and Safety Program