



Thomson Environmental Systems

Scientific & Environmental Equipment Specialists



STACK (PROCESS) &
CEMS



TUNNELS, ROADS &
TRANSPORT



WEATHER &
METEOROLOGY



AMBIENT
MONITORING



INDOOR AIR
QUALITY



LABORATORY &
SCIENTIFIC



Rental Catalogue



WHY RENT WITH US?

Thomson Environmental Systems offer a wide variety of instruments for rental. Whether you require equipment for ambient monitoring or continuous emissions, TES can provide you with a solution for the short or long term. Our equipment is calibrated and maintained before dispatch to the highest standard to ensure that the unit is ready for use once received.

TES offer the combined unique service of data download and reporting for the duration of your rental. We also offer competitive service and commissioning prices.

When you require equipment on short notice or when unexpected opportunities arise, renting is a fast and effective solution. There are no ongoing maintenance fees, and we can provide options for budgetary restrictions.

Don't see what you're after in this catalogue? Please give us a call on 02 9526 8199, as we are always updating our rental stock with the newest equipment and technology.

OUR BRANDS



RENT TO BUY: a smarter solution.

RENT-TO-BUY turns a cap-ex purchase into an operational expense. With TES' Rent-to-buy option, you will own the equipment after an agreed rental period. This option allows you to access the equipment when you need it, with no time delay due to budgets or other approvals.

While short term rentals are subject to the availability of stock, the rent-to-buy option offers you access to any piece of equipment in the TES instrument portfolio.

Our factory trained technicians are available for installation and commissioning or phone and email support throughout the duration of your rental.

If you have specific requirements, or you cannot see what you need, please give us a call!

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QAMS Real-time Dust & Weather Monitors



Dust Master Pro 6000

Real-time, **single channel photometer** for Total PM, PM10, PM4, PM2.5 **or** PM1 monitoring
- 5LPM Flow Rate, 37mm Filter (AS/NZ 3580.99.2006 Compliant), Heater Inlet, Remote Connectivity, Full Meteorological Capability, Solar, Battery or Mains Power.

Dust Master Pro 7000

Real-time, **five channel particle-counter** for simultaneously monitoring of Total PM, PM10, PM4, PM2.5 **and** PM1
- 5LPM Flow Rate, 37mm Filter (AS/NZ 3580.99.2006 Compliant), Heater Inlet, Remote Connectivity, Full Meteorological Capability, Solar, Battery or Mains Power.

Met Master Pro 1000

Meteorological Data Logger, plug-and-play with Lufft weather sensors for measuring all meteorological parameters including; Wind Speed and Direction, Temperature, Relative Humidity, Air Pressure, Precipitation, Solar Radiation and Lightning. See the Meteorology: Lufft Weather Sensor page for more details.
- Remote Connectivity, Solar, Battery or Mains Power.

QAMS Filter Samplers



Filter Master Pro 5000

Low Volume Gravimetric Air Sampler for TSP, PM10 or PM2.5 monitoring
Meets the most recent international methods for atmospheric particulate matter measurement, including AS/NZ 3580.99.2006.
- 5LPM Flow Rate, 37mm Filter, Remote Connectivity, Full Meteorological Compatibility, EPA Mode (pre-program runs), Solar, Battery or Mains Power.



High Volume Master Pro

High Volume Air Sampler for TSP, PM10 or PM2.5 monitoring
Meets the most recent international methods for atmospheric particulate matter measurement, including AS/NZ 3580.9.6.
- 16.7LPM Flow Rate, 8" x 10" Filters, Remote Connectivity, EPA Mode (programmed runs).

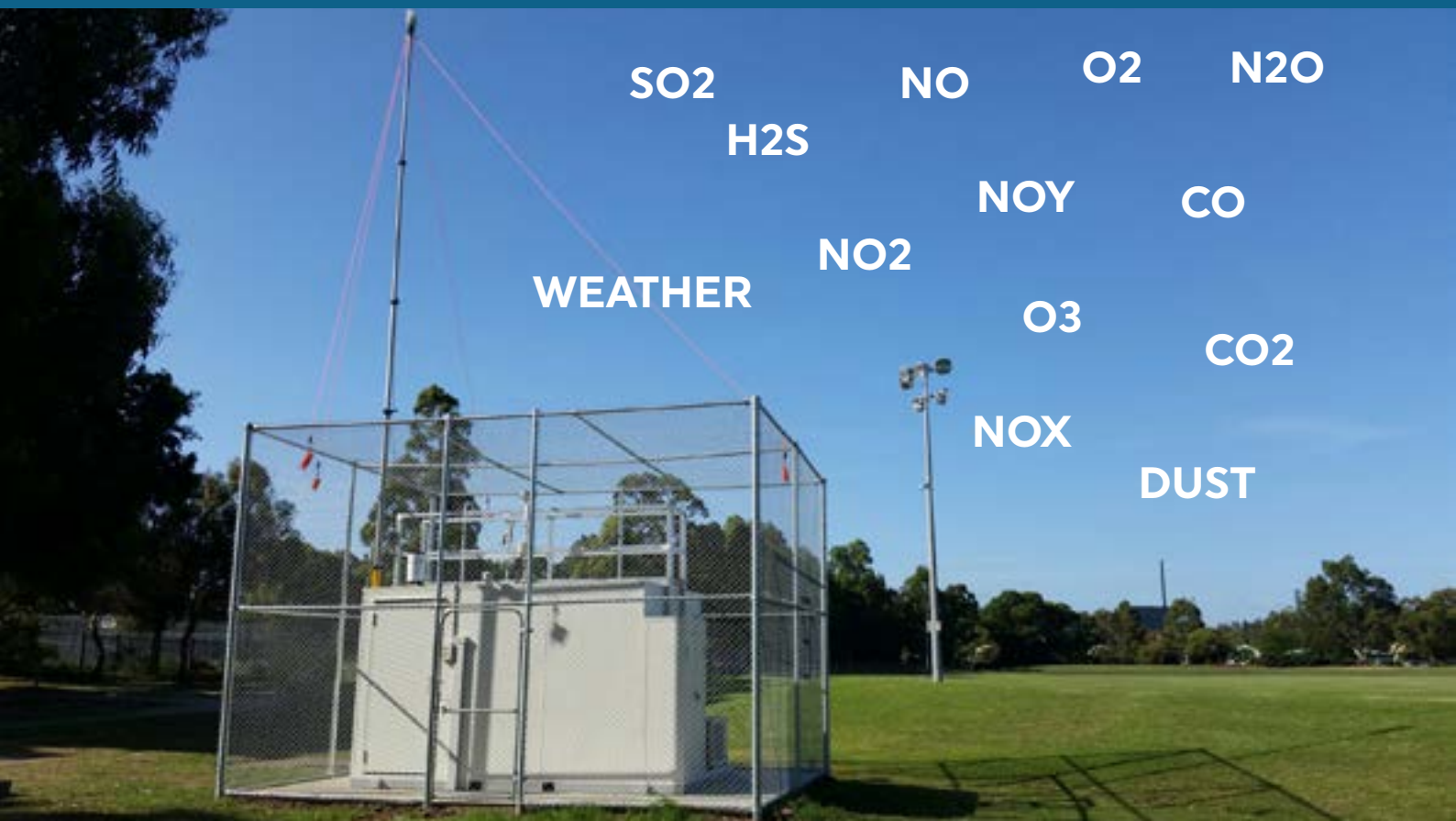
AQMS installation Guinea, Africa



Air Quality Monitoring Stations



TES's AQMS' are custom designed to suit your monitoring needs. Fixed or portable, walk-in or reach-in, big or small, we'll create a solution to help you meet your requirements, wired and fitted out to Australian Standards.



SO₂

NO

O₂

N₂O

H₂S

NO_y

CO

NO₂

O₃

CO₂

WEATHER

NO_x

DUST

Weather Stations

TES will create a custom weather station solution to meet your meteorological monitoring requirements. With a combination of any of the following options, TES will deliver a tailor-made low maintenance solution;

- Australian Standards Compliance MMP1000 Data Logger
- Lufft Weather Sensors
- Mains, Battery or Solar Power
- 2m Tripod or 10m Mast
- Two Relays for Process Control or Alarms
- Remote Access via 3G



Lufft's wide range of weather sensors cover all of the following parameters; Temperature, Humidity, Pressure, Precipitation, Solar Radiation, Lightning Detection, Wind Speed and Direction



Lufft WS200 Ultrasonic Wind Speed and Wind Direction



Lufft WS501: Wind Speed & Direction, Air Temp, Air Pressure and Solar Radiation



Lufft XP101: Handheld Air Temperature and Pressure meter

Teledyne API

USEPA Approved - Gas & Dust



T200: Chemiluminescence NO/NO₂/NO_x Analyzer

Ranges: 0-50 ppb to 0-20 ppm

T300E: Gas Filter Correlation CO Analyzer

Ranges: 0-1 ppm to 0-1000 ppm

T400E: UV Absorption O₃ Analyzer

Ranges: 0-100 ppb to 0-10 ppm



T640 PM Mass Monitor

Delivering continuous, real-time PM mass measurements using innovative broadband spectroscopy, the T640 comes with high resolution, fast response, low power, and effortless operation.

- Continuous PM₁₀, PM_{2.5} mass measurements
 - Simple set up and 10-min warm up
 - No 72 hour zero air test required
 - Superior sensitivity and precision
 - Low maintenance and cost of operation
 - US EPA-approved
-



Calibration Equipment

Gas & Flow Calibrators



MESA Labs Definer 220:

Low, Medium or High Flow

MESA Labs Defender 530:

Medium or High Flow

Hal Technology Hal Tech HFX205

Handheld Formaldehyde Meter



M700: Dynamic Dilution Calibrator

Generates precise calibration gases for SO₂, H₂S, NO, NO₂, CO, O₃, and others

M701: Zero Air System

T750: Portable Gas Calibrator

Generates precise calibration gases for SO₂, H₂S, NO, NO₂, CO, O₃ and others

T751: Portable Zero Air Generator

Portable - under 25 lbs. ready to use



MULTI-GAS/VOCs

DX4000 Multicomponent FTIR Gas Analyser (Portable)

Utilising FTIR technology the Gasetm Insitu Gas analyser can simultaneously measure up to 50 different gas components including, but not limited to H₂O, CO₂, CO, NO, NO₂, N₂O, SO₂, HCl, HF, NH₃, CH₄ and speciated VOC's.

Features include:

- Fully Portable
- MCERT certified for stack testing
- Simple to use
- All Gases at the same time
- Post-measurement data processing tools

Unique to Gasetm Applications Include:

- Stack Testing
- Process Monitoring
- Fire Testing
- Research

System includes:

- Gasetm DX4000
- Gasetm Portable Sampling System
- Heated lines
- Portable Sampling Probe

 **Gasetm**



VOICE 200 SIFT-MS: Selective Ion Flow Tube Mass Spec

Selected Ion Flow Tube Mass Spectrometry is a form of direct mass spectrometry. The Syft VOICE 200 utilises precisely controlled chemical ionisation reactions to detect and quantify trace amounts of VOCs in whole air. Analysis occurs in real time in single scan, with typical detection limits at part-per-trillion level (by volume- pptv).

Voice 200 instruments include a touch-screen interface and networking capability, making them very easy to operate and support. They are ideally suited to RAPID analysis of gaseous samples (for example, whole-air, headspace above solids and liquids, and breath).

Accurate analysis is achieved without chromatography columns. Analysing a sample is as simple as presenting the sample to a sample inlet and pressing a scan button – there are no columns to select, change or maintain and typical detection limits of ppt level by volume are achievable.

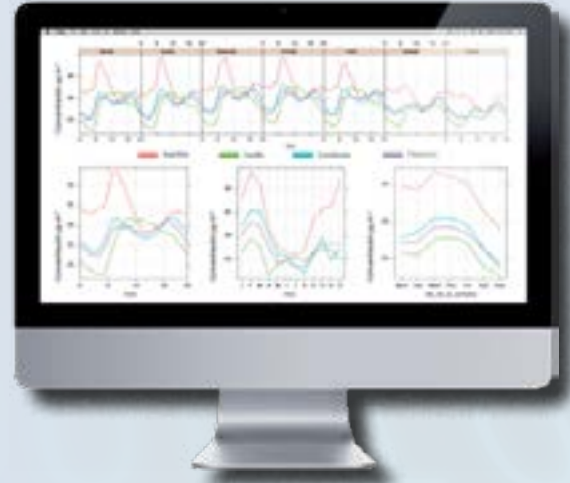


 **syft**
Technologies

DATA AND REPORTING

Complete the package

Our team of experienced technicians deliver a range of services including data reporting. Reporting translates raw data into information, helping our customers to monitor and be alerted when data falls outside of their expected range. Tailored to your needs, we can provide weekly or monthly reports, including charts and data summaries, to allow you to identify compliance or specific events over the monitoring period.



Installation & Commissioning

TES's factory trained technicians have installed, commissioned and maintained thousands of instruments and monitoring stations all over the world. TES provide on-site installation and commissioning services to the highest quality backed by years of expertise. Maximise your capabilities by opting for onsite or in house training for your technicians. We're here to support you as our customer and the industry as a whole.





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