

RENTAL SOLUTIONS CATALOGUE

AUG 2023



**Dust and
Aerosol
Monitoring**



**Fit
Testing**

**HVAC
Monitoring**



Airtightness Monitoring



RENTAL SOLUTIONS CATALOGUE

Renting can be a cost-effective solution to ensure you have the tools you need, when you need them.

As one of Australia's leading specialist suppliers of testing and monitoring equipment, Kenelec Scientific stocks an **extensive range of instruments** with no minimum hire period to help your business perform at its best without the commitment of purchasing.

We also offer **up to 20% off** our standard rental rates for instruments you rent while your own unit is being calibrated, and for equipment that is hired long-term.

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**FIND OUT
ABOUT
DISCOUNTED
RATES**

GOT A QUESTION? GET IN TOUCH!

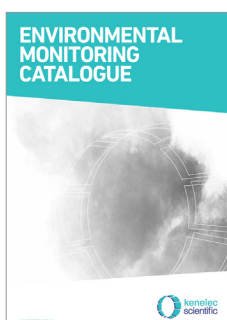
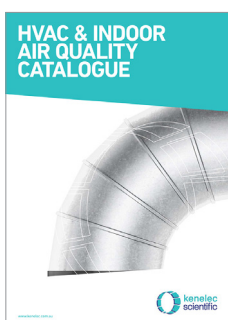
Have an enquiry about a rental product? You can contact our remarkable **Rental team** via the following channels:

☎ +61 3 9873 1022

✉ rental@kenelec.com.au

🌐 www.kenelec.com.au

MORE SOLUTIONS FROM KENELEC SCIENTIFIC



DUST AND AEROSOL MONITORING

Kenelec Scientific can offer you a wide range of dust and aerosol monitoring solutions for **short or long term rental**, from basic sample pumps for gravimetric analysis, right through to high-end research grade particle counters.

REAL-TIME DUST MONITORING INSTRUMENTS

Need immediate access to dust and aerosol data to determine exposure levels and to be able to take immediate corrective actions? Do you need more than a single total sample value for a full shift? Then, real-time light-scattering laser photometers are the ideal solution. Kenelec Scientific offers the DustTrak range of laser photometers from TSI. The DustTrak series are recognised internationally as the top performing real-time instrument for dust and aerosol measurements for harsh industrial workplaces, construction & environmental sites and other outdoor applications.

TSI DUSTTRAK II AND DRX AEROSOL MONITORS

The DustTrak series measures aerosol contaminants such as dust, smoke, fumes and mists, giving you real-time aerosol mass readings. Offering a suitable solution for a range of environments from clean office settings to harsh industrial workplaces, construction and environmental sites.

Used by the EPA, regulators, mining companies, quarries, construction companies, councils, leading OH&S consultants, environmental consultants, the defence department, universities and research groups, the DustTrak series of monitors are the ultimate devices for dust monitoring applications.

Features

- Measure size-segregated mass fraction concentrations corresponding to:
 - PM1
 - PM2.5
 - PM4 (Respirable)
 - PM10
 - TotalPM
- Lightweight and portable
- Highly accurate measurements down to 0.1µm
- 60,000+ point data logging capability
- Complete with software and accessories

Applications

- Industrial/occupational hygiene surveys
- Indoor air quality investigations
- Outdoor environmental monitoring
- Baseline trending and screening
- Engineering control evaluations
- Remote monitoring
- Process monitoring
- Emissions monitoring
- Aerosol research studies



**TSI 8533 DUSTTRAK DRX
DESKTOP AEROSOL MONITOR**

Features

- Measure PM fractions simultaneously
- 0.1 to 10 µm particle size range
- 0.001 to 150 mg/m3 concentration range
- 6600mA rechargeable Li-Ion battery
- 5.7" VGA colour touch screen
- 37mm filter sample collection capability*

*cartridges not included, must be purchased separately



example system; refer to **page 4**
for full system options



**TSI 8534 DUSTTRAK DRX / 8532
DUSTTRAK II HANDHELD MONITOR**

Features

- Measure PM fractions simultaneously (8534) or one at a time (8532)
- 0.1 to 15 µm (8534) or 0.1 to 10 µm (8532) particle size range
- 0.001 to 150 mg/m3 concentration range
- 3600mA rechargeable Li-Ion battery
- 3.5" VGA colour touchscreen

💡 DEFEAT DOWNTIME AND SAVE YOURSELF UP TO 20%

Is your unit due for calibration or in need of repairs? Rent a replacement from us and we'll give you a great rate for the duration of the hire.
Contact our team or head to our website to get started.



ENVIRONMENTAL DUST MONITORING SYSTEMS

Outdoor dust and aerosol monitoring is a growing requirement covering a range of applications. Examples include outdoor construction sites, community & worker exposure, fugitive emissions, site perimeter monitoring, process monitoring, bush fire monitoring and remote monitoring applications. A reliable and flexible solution is what is needed to address these requirements. Kenelec Scientific offers flexible systems based on the TSI DustTrak.

AEROSOL MONITOR



TSI 8533 DUSTTRAK DRX

Measure all PM fractions simultaneously.

See page 3 for more details.

AUTOZERO MODULE



TSI 801690 AUTOZERO MODULE

Required for all environmental monitoring systems. Eliminates zero drift when sampling over extended periods.

HUMID OR FOGGY ENVIRONMENT?



TSI 801851 HEATED INLET SAMPLE CONDITIONER FOR 8535 ENCLOSURE

Removes humidity and water vapour from the sample, reducing elevated measurements.

ENCLOSURE



TSI 8535 DUSTTRAK ENVIRONMENTAL ENCLOSURE

Weatherproof Pelican enclosure.

TRIPOD



TRIPOD

Tripod for enclosure to be mounted on.

POWER OPTIONS



MAINS POWER ADAPTER

When you have access to mains power on site you can use a weatherproof power adapter, with 5m cable.



BATTERY SYSTEM

The BOM801801 Battery Systems allows the DustTrak system to operate up to 48 hours before swap over. (Includes spare batteries and charger.)



SOLAR POWER SYSTEM

This easy to erect system can provide ongoing power, with the storage battery holding approximately five days of power. (Includes panels, battery, battery case and cabling.)

DATA ACCESS



STANDARD USB

The DustTrak's 60,000 point data logging can be uploaded via USB.



REMOTE DATA ACCESS

Access your DustTrak's data remotely via 3G with SMS alerts.

ASK US A QUESTION

If you need a hand with building your custom rental system, just contact our talented team to discuss your specific requirements.

PERSONAL DUST AND AEROSOL MONITORS

Real-time data is of great benefit when using a personal monitor for exposure to dust and aerosols. Overexposure can be detected quickly and preventive measures such as changing ventilation rates and addressing equipment issues can be taken immediately. For personal monitoring, Kenelec Scientific has a number of great solutions available for rent.

TSI AM520/AM520i SIDEPAK™ PERSONAL AEROSOL MONITOR

The AM520/AM520i provide real-time aerosol mass concentration readings of dusts, fumes, mists, smoke and fog within a worker breathing zone. Newly designed inlet conditioners increase the mass concentration capability and provide size fraction cut points for PM 10, PM 4 (Respirable), PM 5 (China Respirable), PM 2.5, PM 1 and 0.8µm Diesel Particulate Matter (DPM). These monitors are the perfect solution for real-time, personal aerosol sampling in a variety of workplace environments, including but not limited to general industry, foundries, construction sites, chemical plants, refineries, petrochemical, power and utilities, transportation, aerospace, maritime, confined spaces and mining.

AM520



AM520i



UNIT DUE FOR CALIBRATION OR REPAIR?

Rent a replacement and save up to 20% off our regular rates.

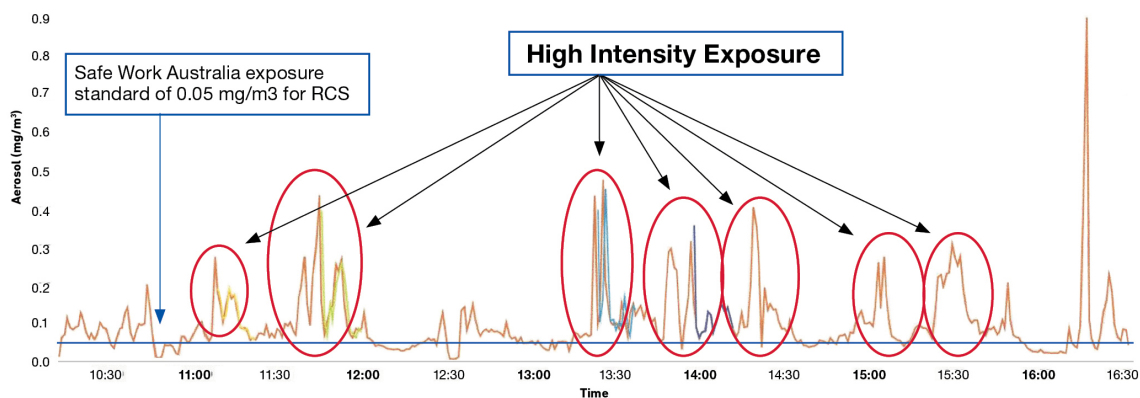
Features

- Robust impactors for higher mass concentration range
- Audible and visual alarms with user-selectable alarm levels
- 0.8µm cyclone for DPM measurement
- High capacity battery enabling 20+ hours of continuous operation
- Colour OLED display
- Real-time mass concentration measurement and data logging for "in-the-field" data analysis

Features

- Certified intrinsically safe by SIMTARS for use in underground mines in Australia (IECEx SIM 19.0009X)
- IECEx and ATEX certified
- Audible and visual alarms
- 0.8 µm DPM impactor
- High capacity battery
- Color OLED display

DUST CONCENTRATION VS TIME



TEST STATISTICS

Channel	Average	Minimum	Maximum	Cal Factor	TWA
Aerosol (mg/m³)	0.101	0	24.1	1	0.08
		10/08/2018 02:28:05	10/08/2018 04:23:03	factory 06/01/2018	

Instead of waiting several days for lab results, the AM520 measured dust concentration in real time. The graphical display of logged data added a level of detail that cannot be achieved with a single data point obtained from a gravimetric sample.

IAQ MONITORING

ULTRAFINE PARTICLE COUNTERS

Ultrafine particles (UFPs) are everywhere: polluting the air, eroding our health, and affecting our climate. The first step in cleaning the air of these potentially hazardous particles is to measure them. Kenelec Scientific offers a range of instruments from handheld spot-checking instruments to research grade instruments suitable for long-term air quality monitoring networks. Whether your application is indoor air quality measurements or urban road side monitoring, we have you covered.

TSI 8525 P-TRAK ULTRAFINE PARTICLE COUNTER

The 8525 is ideal for measuring workplace ultrafine particulate levels, as well as helping eliminate indoor air quality (IAQ) problems. This portable instrument detects and counts particles smaller than 1 micrometer that often accompany or signal the presence of pollutants.

Features

- Real-time ultrafine particle counter
- Measure particle sizes 0.02-1 μm
- Easy to use
- Data log information

Applications

- Check office equipment
- Cleanroom containment checks
- Filter checks
- Check fume hoods
- Check safety cabinets
- Vehicle emission migration
- Combustion leaks
- Control smoking areas



CLEANROOM MONITORING

Kenelec Scientific offers several airborne particle counters and microbial samplers to help you comply with regulations and assist you with identification of problem areas in controlled cleanroom environments.

CLEANROOM PARTICLE COUNTERS

The TSI range of AeroTrak® particle counters provide the flexibility and features to exactly match your requirements, from simple spot checking to meeting rigid cleanroom classification standards.



TSI 9306 AEROTRAK® HANDHELD PARTICLE COUNTER

The 9306 offers the most features and flexibility for customers interested in versatile handheld particle contamination monitoring.

Features

- Complies with all requirements of ISO 21501-4
- 0.3 to 25 µm size range
- 0.1 CFM (2.83 L/min) flow rate
- Integrated handle for one hand operation
- Removable, rechargeable Li-ion battery
- Long life laser diode



TSI 9310 & 9500 AEROTRAK® PORTABLE PARTICLE COUNTERS

The 9310 and 9500 offer best-in-class features and versatility, providing a complete solution for your certification needs.

Features

- Complies with all requirements of ISO 21501-4
- 0.5 to 25 µm size range
- 3.53 CFM (100 L/min) flow rate, 0.3 to 25 µm - 9500 model
- 1.0 CFM (28.3 L/min) flow rate, 0.5 to 25 µm - 9310 model
- Industry's loudest audible alarm

MICROBIAL AIR SAMPLERS

Being able to detect viable particles in your cleanroom is important for compliance with regulations and for ensuring that microbial contamination is not negatively impacting your products or processes.

EMTEK P100 PORTABLE MICROBIAL AIR SAMPLER

With its superior functionality and key benefits, the P100 is destined to be the industry standard for microbial air sampling.

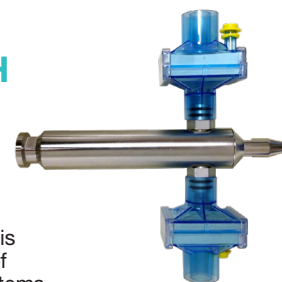


Features

- Lightweight and portable
- Controlled sample rates of 28.3 (1 CFM) and 100 LPM
- Long battery life
- Delay/Test/Hold functionality
- CFR Part 11 regulatory compliant data control
- 500 sample records storage
- Output to optional label printer, USB, or optional PC based software
- IR remote control

EMTEK HPD2 FILTERED HIGH PRESSURE DIFFUSER

For use with the P100, EMTEK's unique High Pressure Diffuser (HPD) is designed for sampling of compressed air/gas systems for microbial contaminants.



Features

- Electropolished 316SS
- Allows for HEPA filtration of the exhausted volume
- Can be autoclaved, or chemically sanitised for microbial testing of critical systems
- Filtered exhaust greatly reduces the output decibel level
- Can be configured for testing at 28.3-50, or 75-100 LPM sample rates

HVAC MONITORING

VENTILATION TEST INSTRUMENTS

Heating, Ventilation and Air Conditioning (HVAC) systems are a primary consumer of energy and can have a big influence on the operating costs of your business or household, especially if not monitored and managed. Kenelec Scientific offers a range of monitoring options to measure air flow, temperature, humidity, pressure and other parameters key to ensure both optimal system performance and comfort of building occupants.

DUCT LEAKAGE TESTERS

Leakage in commercial ducts can result in high operating costs as more air and energy are needed to maintain standard conditions. Duct leakage testing is a necessity to ensure costs are kept down and systems meet required standards.



DID YOU KNOW?

Like many of our test instruments, the PANDA meets the NEBB instrument requirements for testing, adjusting and balancing of HVAC systems. You can now rent a PANDA to complete your commissioning.



AIRFLOW INSTRUMENTS PAN341 PANDA DUCT LEAKAGE TESTER

The Airflow Instruments PAN341 Positive and Negative Duct Accreditation (PANDA) Duct Leakage Tester provides contractors, commissioning engineers, and research & development technicians the best way to quantify air leakage in ductwork, as well as the ability to measure the performance of ducted systems. The PAN341 provides a fast, accurate, automated solution that enhances energy savings in buildings and helps to ensure compliance with Australian standard AS 4254.2:2012, European standards like EN12237, EN1507, EN13779, EUROVENT 2/2 standards and with American standards like SMACNA, enhancing energy savings in buildings.

Features

- Positive and negative duct leakage testing in one rig
- Energy savings by testing and minimising duct leaks
- Accuracy is $\pm 2,5\%$ of volume flow
- Unique performance and fan speed control charge up of duct system to test static pressure within minutes
- Fits in the back of vans and estate cars

Applications

- New building installations
- Testing of existing installations

AIR BALANCING HOODS

Offering durable, trouble-free operation, TSI's lightweight, ergonomically designed capture hood kits save time and money by combining multiple measurement tools into one package. These hoods and related accessories help you create healthy and energy-efficient environments while meeting local codes, guidelines and regulations for ventilation systems.

TSI 8380 ACCUBALANCE AIR CAPTURE HOOD

The 8380 is a multi-purpose electronic air balancing instrument primarily used for efficiently taking direct air volume readings at diffusers and grilles. It features a detachable micromanometer which can be used with optional probes for increased flexibility in multiple measurement applications.

Features

- Ergonomic design and ultra light weight for easy, one-person operation
- Automatically senses and displays supply or return flows, saving time on the job
- Back pressure compensation ensures accurate readings
- Multiple hood sizes available for easy, cost effective use across multiple jobs
- Detachable digital micromanometer offers flexibility to use in multiple applications

Applications

- HVAC commissioning
- Cleanroom certification
- Troubleshooting HVAC systems
- Testing and balancing HVAC systems

Inclusions

- 610x610mm hood
- 18"/46cm pitot
- Static pressure tips
- Tubing
- Software
- Calibration certificate



OPTIONAL ACCESSORIES:

PITOT TUBES

Long lasting stainless steel construction, fully meets AMCA & ASHRAE specifications.



- TSI 634634001 Static Pitot tube
5/16" (8 mm) diameter, 18" (46 cm) length
- TSI 634634002 Static Pitot tube
5/16" (8 mm) diameter, 24" (61 cm) length
- TSI 634634004 Telescoping Pitot tube
8" to 38" (20cm to 96cm) length

HOOD EXPANSION KITS

Additional hood sizes fit interchangeably on the instrument base to increase flexibility.



- TSI 801206 Hood Expansion Kit
1ft x 4ft (305mm x 1220mm) and
2ft x 4ft (610mm x 1220mm)
- TSI 801207 Hood Expansion Kit
1ft x 5ft (305mm x 1525mm) and
3ft x 3ft (915mm x 915mm)

CAPTURE HOOD STAND

Take readings from ceiling diffuser without needing to use a ladder.

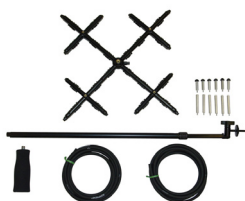


- TSI CH-STAND
Capture Hood Stand
Extends up to 15ft, wheels
for ease of movement and
portability

AIR VELOCITY MATRIX

Obtain area-averaged multi-point air velocity measurements.

- TSI 801090 16 POINT VELOCITY MATRIX
Velocity matrix, telescopic handle, (2) 8' hoses, standoff
stoppers



A manometer is a differential pressure measuring device. It can be used with any standard pitot tube to measure static pressure, velocity, or volume. A digital micro manometer can be used in any position and does not require levelling. However, it should be zeroed periodically throughout a workday.

TSI 5825 DP-CALC MICROMANOMETER

The 5825 allows you to easily make HVAC pressure measurements. This robust instrument can be used with pitot probes to measure duct velocity.

Features

- Measure differential and static pressure from -15 to +15 in. H₂O (-3735 to +3735 Pa)
- Calculate and display velocity when using a Pitot tube
- Variable time constant
- Statistics
- Data logging with time and date stamp
- Stores 12,700+ samples and 100 test IDs
- Programmable K factors

Applications

- HVAC commissioning and troubleshooting
- Testing and balancing
- Pitot tube duct traverses
- Static pressure measurements
- Pressure drop across filters, coils, fans, and diffusers
- Environmental air flow testing

OPTIONAL ACCESSORIES:

PITOT TUBES

Long lasting stainless steel construction, fully meets AMCA & ASHRAE specifications.



- TSI 634634001 Static Pitot tube
5/16" (8 mm) diameter, 18" (46 cm) length
- TSI 634634002 Static Pitot tube
5/16" (8 mm) diameter, 24" (61 cm) length
- TSI 634634004 Telescoping Pitot tube
8" to 38" (20cm to 96cm) length



ANEMOMETERS

Anemometers are very useful for measuring face velocities and velocity from supply ducts, with averaging capabilities for flow areas. Additional capabilities in temperature measurement, flow rate calculation, averaging and determining minimum and maximum readings make these instruments ideally suited for measuring unevenly distributed or fluctuating flows through heating and cooling coils, diffusers, grilles, and filters.

TSI 5725 VELOCICALC ROTATING VANE ANEMOMETER

The 5725 is a high performance, yet simple-to-use, rotating vane anemometer. High accuracy and reliability make the 5725 the professional's ideal tool for measuring unevenly distributed or fluctuating flows through heating and cooling coils, diffusers, grilles, and filters.

Features

- Reversible 100mm head to read supply and exhaust flows
- Sampling function records multiple point measurements
- Automatic averaging of air velocity
- Simultaneously displays velocity and temperature
- Sweep mode for one overall measurement

Applications

- Heating and cooling coil analysis
- Diffuser and grille measurements
- Fume hood face velocity tests
- Indoor air quality tests
- Filter face velocity measurements

OPTIONAL ACCESSORIES:



TSI 801749 AIR CONE KIT

- Includes a 285 x 234mm rectangular cone and 180mm diameter round cone
- Works with any 100mm vane anemometer
- Rugged and reliable, easy to transport
- Ideal for toilet exhaust fans and small outlets



TSI 9565 VELOCICALC MULTI-FUNCTION VENTILATION METER

The portable, handheld 9565 is a multi-purpose anemometer unit which can be used for a variety of airflow and IAQ measurements with the addition of the right probe.

Features

- Interchangeable probes
- Compatible with all pitot tubes on the market
- 26,500 point advanced data logging (manual & automatic) with USB cable and software
- Toggle between actual and standard velocity
- Advanced menu driven multi-mode display
- Bluetooth bidirectional communications
- Remote polling from a PC



DID YOU KNOW?

Yearly calibration is recommended to ensure your unit is operating optimally - you can get **up to 20% off** when you rent a replacement while your own instrument is being calibrated.



OPTIONAL ACCESSORIES:

PITOT TUBES

Long lasting stainless steel construction, fully meets AMCA & ASHRAE specifications.



- TSI 634634001 Static Pitot tube 5/16" (8 mm) diameter, 18" (46 cm) length
- TSI 634634002 Static Pitot tube 5/16" (8 mm) diameter, 24" (61 cm) length
- TSI 634634004 Telescoping Pitot tube 8" to 38" (20cm to 96cm) length

PROBES

Get the measurements you need with these TSI probes available for rent:



A



B



C



D

- A - TSI 964 Thermoanemometer Straight Probe
Air velocity, temperature and relative humidity
- B - TSI 995 Rotating Vane Probe 100mm
Air velocity and temperature
- C - TSI 982 IAQ Probe
CO, CO₂, temperature and relative humidity
- D - TSI 986 IAQ Probe
Low concentration VOC, CO₂, temperature and relative humidity

AIRTIGHTNESS MONITORING

ULTRASONIC AIRTIGHTNESS & LEAK DETECTOR SYSTEM

Ultrasonic air leakage detection is a form of non-destructive testing. It uses ultrasound - sound with frequencies above the range of human hearing - to identify and locate air leaks as small as 0.06mm in diameter and quantifying leaks as small as 0.5mm in diameter with minimal disruption to normal operation.



COLTRACO PORTASCANNER® AIRTIGHT

The Portascanner® AIRTIGHT (Ultrasonic Airtightness and Leak Detector System) is a powerful and unique handheld tool to aid in ensuring a room, compartment or building is sufficiently airtight. It is the world's first micro air-leak detector, which uses ultrasound to detect, identify and locate air leakage sites. It facilitates effective and efficient ventilation, filtration, and heating/cooling of the building. It is also designed to promote energy efficiency, indoor comfort, occupant health benefits, and to deliver an effective ventilation strategy for buildings contributing towards Net Zero Strategy and Passive House.

It also allows healthcare and pharmaceutical personnel to locate, and then quantify the leaks in hospital wards, cleanrooms, and sterilisation departments to reduce the contamination of pharmaceutical drugs and highly infectious diseases such as Ebola and Covid-19. It is a non-invasive solution, which quickly and effectively detects leaks without interfering with medical staff and patients in a room.

Features

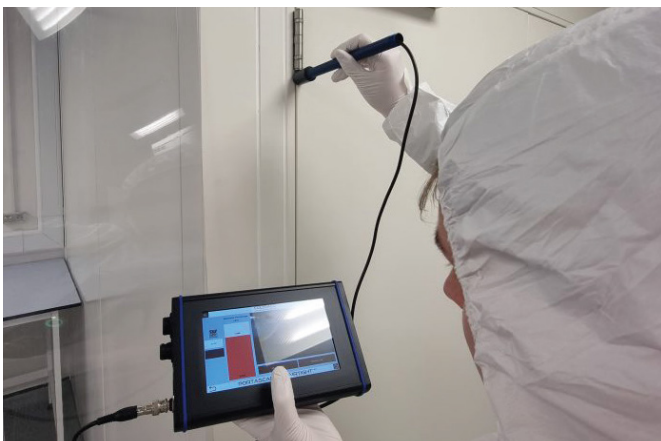
- Identify leak sites with a microscopic level of accuracy
- Measure and quantify leak sites and cross-sectional areas (mm²) using sophisticated algorithm
- Generate a value for the air flow rate (m³/h) through each leak
- Calculate the building or room's overall air permeability (m³/h-m²) and air change rate (ACH)
- Easy to navigate interface
- 7 inch touch screen LCD display, 8MP camera, USB drive stores photographic and quantitative data to generate traceable, exportable reports
- Complement in multiple stages of the Door fan test/pressurisation test where there are limitations: highly disruptive, intrusive, costly, unable to find where the leaks are and their extent
- Help to find leaks that could not be found by traditional and alternate methods (thermal cameras, smoke pencils, anemometers, blower door/door fan tests)
- Assist in failure diagnosis and periodic maintenance

Applications in the Indoor Air and Built Environment

- Construction/built environment to facilitate controlled ventilation and occupant health
- Air tightness testing and measurement
- Energy Efficiency - Passivhaus (Passive house) build
- Room integrity (to complement Door fan test or Pressurisation test)
- Component (e.g. door/window) manufacturing
- HVAC areas
- Building acoustics testing
- Cruise lines
- Corridors e.g. shipping, offshore
- Escape pods within mining

Applications in the Healthcare Environment

- Positive and negatively pressurised wards
- Operating theatres
- ICU wards
- Isolation rooms, isolator units/isolator tents
- Pharmaceutical clean rooms/sterile processing departments
- High level isolation units (HLIUs)
- Dental surgeries



OH&S MONITORING

Protecting workers is a top priority in any workplace, and OH&S monitors play a crucial role. Kenelec Scientific offers rental solutions for sound, noise, and heat monitoring systems, providing professional and comprehensive safety data to make informed safety decisions.

SOUND LEVEL MONITOR

TSI QUEST® SOUNDPRO® DL SOUND LEVEL METER

TSI Quest® SoundPro® DL Sound Level Meter and Real-Time Analyzers help provide advanced sound level monitoring and comprehensive data analysis. A large screen display allows for real-time frequency analysis and data-storing capabilities make it easy to post-process and evaluate workplace noise levels. TSI Quest SoundPro® DL Sound Level Meter is an excellent solution for a variety of applications.

Features

- ANSI and IEC standards compliant
- Two “virtual” sound level meters running simultaneously
- Concurrent A-weighted and C-weighted measurements
- Programmable and level-triggered start and stop
- A, C and Z (flat) frequency weighting
- Fast, slow, and IEC impulse time response
- Selectable thresholds 10 dB – 140 d
- B3, 4, 5, 6 dB exchange rates
- Luminescent keypad and backlit display
- SD memory card slot
- USB communications port and serial RS-232 output
- Display adjustable among multiple languages
- Time history data logging with 1 second to 60 minute intervals
- Back erase function
- Noise dose calculation/dosimetry function



TSI ACOUSTICAL CLASS 1 CALIBRATOR AC-300

The AcustiCal AC-300 is the Calibrator for Quest® SoundPro® DL Sound Level Meter.

Features

- Produces two signals, 250 Hz or 1,000 Hz at a sound pressure level of 114 dB
- Simply insert the microphone of your instrument, select the correct signal from the one-button keypad, and calibrate
- Conforms to the requirements of IEC 60942 (2003-01) for sound calibrators and ANSI S1.40-2006 (R2011): specifications and verification procedures for sound level meters



HEAT STRESS MONITOR

TSI QUESTEMP® 34 AREA HEAT STRESS MONITOR

The QUESTemp® 34 Area Heat Stress Monitor is designed to quickly and accurately evaluate potential heat stress environments.

Features

- Utilizes WBGT sensing technology; the standard for heat stress management
- Traditional wet bulb sensing technology
- Convenient stay time parameters per multiple standards help determine work-rest ratios
- IP 54 ingress rating helps protect unit from exposure to dirt, dust, oil and water
- Designed to withstand the rigors of everyday use in demanding environments



FIT TESTING

Personal protective equipment is an important barrier between the wearer and potentially harmful substances or stimuli, and ensuring a proper fit is imperative to provide the user the safest level of protection. Kenelec Scientific provides real-time quantitative respirator fit testing instruments capable of testing the fit of all types of face masks, as well as hearing protection fit testers for 3M products.

REAL-TIME QUANTITATIVE RESPIRATOR FIT TESTERS

Under Australian and NZ Standards, everyone using a mask in any workplace should be fit tested before starting, and at least annually thereafter. Without an enforced and documented fit testing program, your organisation could be found legally liable as an unsafe workplace.

TSI 8048 PORTACOUNT PRO+ RESPIRATOR FIT TESTER*

Only the 8048 provides one consistent and objective testing experience across all respirator types, including all N95 filtering face pieces using N95-Companion™ technology. New features like FitCheck™ Mode and animated fit test steps now help users achieve a better fit for respirator wearers more quickly*.

Features

- Compatible with new Modified CNC Protocols
- OSHA, CSA, HSE, INRS and ANSI compliant for all tight-fitting respirators, including series 95, 99, 100, FFP1, FFP2 and FFP3 filtering facepiece respirators
- Built-in N95 Companion™ technology
- Real-Time FitCheck Mode™ shows respirator fit in real-time for improved mask selection and training
- Animated fit test steps guide users through the proper movements for each exercise



**Note - screen not included, own tablet/PC must be used; FitPro Ultra Fit Test Software must be installed - please refer to our website for minimum hardware requirements.*

TSI 8038 PORTACOUNT PRO+ RESPIRATOR FIT TESTER

Quantitative fit testing using the 8038 is the easy way to reliably fit test any tight-fitting respirators. Eliminate the guesswork associated with tedious and error-prone qualitative fit test methods and let your fit testing programme be guided by science.

Features

- Fit test ANY tight-fitting respirator including N95, P2 and P1 disposable respirators
- Includes 8026 Particle Generator with the 8038 system
- Greater simplicity with the built-in N95 Companion™ technology
- Standalone operation – no external computer required
- Use with your external computer to generate reports & print fit test cards



+ TSI 8026 PARTICLE GENERATOR

The 8026 is a unique instrument that supplements the ambient particle count with non-toxic salt particles, allowing the 8038 or 8048 to be operated in areas where the normal particle count is not sufficient.

Features

- Supplements ambient particle concentration levels
- Non-toxic salt (NaCl) aerosol
- Portable, fast operation
- Safer alternative to a candle



8026 is included with the rental of the 8038 or 8048



DID YOU KNOW?

You can get up to 20% off our standard rental rate if you hire a PortaCount while yours is with us for calibration. Request a rental when you complete your RMA application form.

HEARING PROTECTION FIT TESTERS

Protecting workers from hazardous noise levels is an ongoing challenge for many organisations, with permanent hearing loss being one of the most common occupational health issues in the manufacturing sector. Maintaining safety depends on many factors, but requires more than just offering hearing protection.



3M™ E-A-Rfit™ DUAL-EAR VALIDATION SYSTEM

The E-A-Rfit™ makes it easy to measure every employee's unique level of protection and takes the guesswork out of managing compliance in your hearing conservation program.

Features

- Tests both ears simultaneously in less than 5 seconds
- Earmuff and earplug testing capability
- Tests at 7 standard frequencies – 125Hz to 8000Hz
- Science-based, objective, quantitative testing

The 3M™ E-A-Rfit™ Dual-Ear Validation System tests 3M ear protection products only.

CUSTOM SOLUTIONS

With the knowledge and experience Kenelec Scientific has built up over many years, as well as our standard products and systems, we also offer specialised monitoring solutions for rent that are specifically developed for applications such as wood smoke monitoring.



SMOKE MONITORING

SMOKETRAK SYSTEM

The SmokeTrak system is a portable real-time particulate monitoring station built around the DustTrak aerosol monitor from TSI. Ideal for bushfire smoke plume tracking, identification of highly polluting domestic wood fires, and for tracking of point sources of particulate matter.

Features

- Supports monitoring of PM1, PM2.5, PM4 and PM10
- Provides mapping of mass concentration of particulate matter on a street-by-street (and even house-by-house) basis using GPS location to identify the source
- On-board real-time configurable alarm to provide operator with immediate notification of high particulate concentrations
- Operates from 12V DC vehicle supply
- Built in UPS to prevent loss of data when vehicle switched off
- AC Mains input also provided

UNIT NEED CALIBRATION OR REPAIR? RENT AND SAVE



Eliminate downtime and **save up to 20% off** our standard rental rates for the instruments you rent while your own unit is being calibrated. Contact our team or head to our website to get started.

KENELEC SCIENTIFIC

Our company:

Established in 1962, Kenelec Scientific is one of Australia's leading scientific and environmental technology companies. Based in Melbourne, with distributors located throughout Australia and New Zealand, we are industry leaders in the supply of globally sourced, latest generation technologies at competitive prices.

Our services:

Sales

Buy the latest equipment from some of the most trusted brands in the industry.

Rental

Short and long term hire available on an extensive range of instruments.

Calibration

Professional calibration of your instruments in our state-of-the-art laboratories.

Validation

Wide range of validation services to ensure compliance with regulations.

Service & Repairs

Local after-sales service and support from our experienced technicians.

Education

Product education and support available in-house, onsite or online.

Financing

Secure your equipment without relying on up-front capital funding.

Looking to buy?

All the products featured in this catalogue are also available to buy! With hundreds of products available off-the-shelf, as well as many custom-designed systems under our belts we're sure to have a solution for your test and measurement needs.

TSI AM520
Personal Monitor
Real-time mass
concentration
measurement and
data analysis



TSI 8530 DustTrak II
Desktop Aerosol Monitor
Real-time readings



TSI AirPro
Solutions Range
Wireless Operation



Coltraco
Portascanner® Airtight
Ultrasonic Airtightness
and Leak Detector System



Want more information?

For more products and solutions, visit our website:
www.kenelec.com.au



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We look forward to
working with you.

