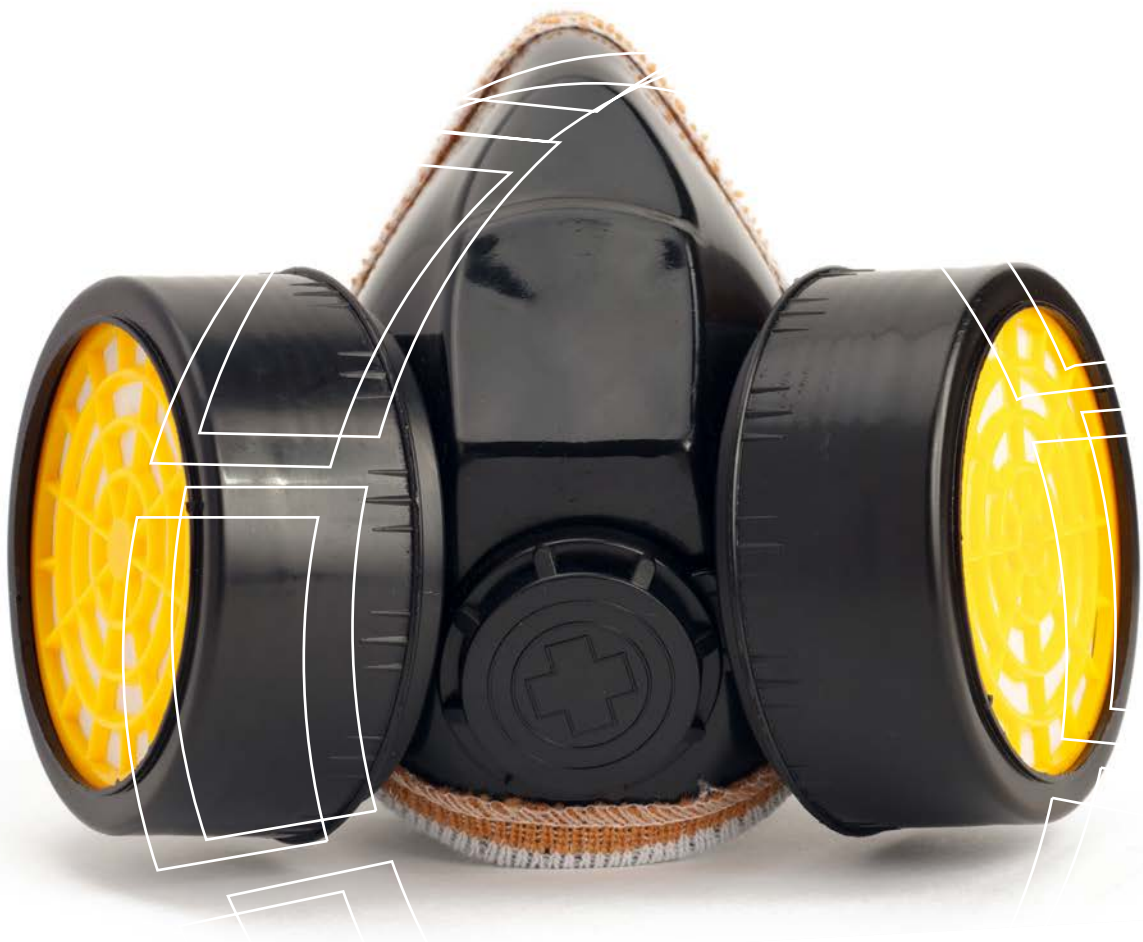
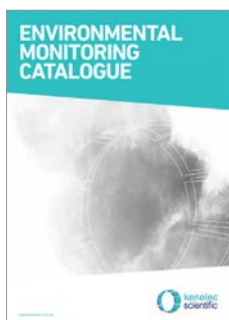


# OCCUPATIONAL HEALTH & SAFETY CATALOGUE

NOVEMBER 2022



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# OCCUPATIONAL HEALTH & SAFETY CATALOGUE

Health and safety are two words to take seriously - and with good reason. They play a vital role in your well-being and overall quality of life, including at the workplace.

Regardless of industry, the possibility of accidents are always present. Kenelec Scientific can help prevent this with our wide range of monitoring equipment for potential workplace hazards including respirator fit testers and air sampling options.

## FIT TESTING

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## AIR SAMPLING

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### GOT A QUESTION? GET IN TOUCH!

Have an enquiry about a particular product? You can contact our **Sales Department** via the following channels:

 +61 3 9873 1022

 [sales@kenelec.com.au](mailto:sales@kenelec.com.au)

 [www.kenelec.com.au](http://www.kenelec.com.au)

# 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 provide 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.

## RESPIRATOR FIT TESTING

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

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### TSI 8038 PORTACOUNT® PRO+ RESPIRATOR FIT TESTER

No other respirator fit tester can quantitatively fit test all types of respirators- gas masks, SCBAs, respirators, even N95, P1 and P2 disposable (filtering-facepiece) respirators.

Available to rent with the 8026 Particle Generator.

#### Features

- Fit test ANY tight-fitting respirator including N95, P2 and P1 disposables
- Faster fit testing time – down from 7 minutes 15 seconds to **2 minutes 29 seconds**
- Greater simplicity with the built-in N95 Companion™ technology

#### Applications

- Quantitative respirator fit testing (QNFT)
- Disposable filtering-facepiece fit testing for Series 100/99/P3/HEPA masks
- Half mask fit testing
- Full-face mask fit testing

TSI 8026 Particle Generator included  
see page 6 for product details



## SHORTEN YOUR FIT TEST TIME WITHOUT SACRIFICING SAFETY

OSHA's modified CNC fit test protocol allows PortaCount® users to save time by utilising a faster and simpler fit test. Visit [www.kenelec.com.au/fastest-fit](http://www.kenelec.com.au/fastest-fit)

## RESPIRATOR FIT TESTING

The new PortaCount® Respirator Fit Tester features intelligent touchscreen solutions, providing assistance across your entire respiratory protection program from training through compliance.

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### TSI 8048 PORTACOUNT® RESPIRATOR FIT TESTER

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

- OSHA, CSA, HSE, and ANSI compliant for all respirators equipped with  $\geq 99\%$  efficient filters
- Measures fit factors greater than 10,000
- Computes respirator fit factor using microscopic particles in ambient air
- Automates fit testing with FitPro Ultra Software

#### Applications

- Quantitative respirator fit testing (QNFT)
- Disposable filtering-facepiece fit testing for Series 100/99/P3/HEPA masks
- Half mask fit testing
- Full-face mask fit testing



*\*Screen not included, must be purchased separately*



TSI 8026 Particle  
Generator included  
*see page 6 for product details*



Looking for purchase options? **Finance packages available.** Secure your equipment without relying on up-front capital funding with tailored payment plans. **Contact our team for details.**



The following accessories enhance and expand on the functionality of your PortaCount, allowing for more accurate fit testing across an expanded range of mask types.

### PARTICLE GENERATORS

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#### TSI 8026 PARTICLE GENERATOR

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

Available to rent with the 8038 PortaCount® Pro+ Respirator Fit Tester.

##### Features

- Supplements ambient particle concentration levels
- Non-toxic salt (NaCl) aerosol
- Portable
- Fast operation
- Safer alternative to a candle
- Meets minimum levels necessary for fit testing



#### TSI 8025-N95 FIT TEST PROBE KIT FOR DISPOSABLE FACEPIECES

Use the 8025-N95 Fit Test Probe Kit along with your PortaCount® Respirator Fit Testers to quantitatively fit test filtering-facepiece (disposable) respirators.

##### Features

- Allows quantitative fit testing of any class, brand or size filtering facepiece respirator
- Eliminates the need to order or stock pre-probed masks from the respirator manufacturer
- Probe installation is fast and easy
- Inexpensive sampling probes are disposable

### KITS AND ADAPTORS



#### TSI RESPIRATOR FIT TEST ADAPTORS

Respirator Fit Test Adapters enable quantitative fit testing for individuals wearing their own respirators. Using a fit test adapter will provide the same results as with conventional probed respirator techniques. Adapters enable integrity testing of an individual's assigned respirator, while also verifying donning competence and facepiece sizing.

##### Features

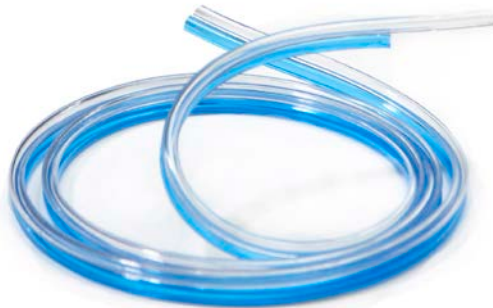
- Easy to use
- Permits quantitative fit testing in the employee's own respirator – no more shared test respirators
- Allows mask integrity check while fit testing

## CONSUMABLES



### TSI 803011 SALT TABLETS

Used in the 8026 Particle Generator (provided with the PortaCount® Respirator Fit Tester). The generator is supplied with 100 salt tablets. A single salt tablet is sufficient for one 8–10 hour day of testing, therefore each system would have sufficient salt tablets for approximately 100 days of operation.



### TSI 800198 TWIN-TUBE SAMPLING HOSE

Supplied with the PortaCount® Respirator Fit Tester. We would suggest 3 additional tube sets per system per year as the tubes can fill with moisture over time or get damaged.



### TSI 8025-N95R FIT TEST PROBE REFILL KIT FOR DISPOSABLE FACEPIECES

100x Pushnuts and Probes are supplied with the PortaCount® Respirator Fit Tester, enough to fit test 100x disposable masks. Refills can be ordered for more fit testing, and come in bags of 500.



### TSI 8016 ISOPROPYL ALCOHOL

16x 30ml bottles are supplied with kit. You will have approximately 8 hours of testing per cartridge of alcohol. Each 30ml bottle will equate to approximately 2 fills of the cartridge. So 16 bottles ~30 days of testing.



### TSI 8033 ALCOHOL WICKS FOR PORTACOUNT

Two wicks are supplied with the PortaCount® Respirator Fit Tester – one in use whilst other is drying / reconditioning. If you are fit testing in very humid conditions you may need more than the standard two for swap over, as you will need to wait longer for the wicks to dry out. In most cases, a package of 10 will be more than enough as a backup.



Not quite what you're looking for? For our **full range** of PortaCount® consumables, add-on kits and replacement parts, visit our website: **[www.kenelec.com.au](http://www.kenelec.com.au)** or **contact our team for details.**

## HEARING PROTECTION FIT TESTING

Protecting workers from hazardous noise levels is an ongoing challenge for many organizations, 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.

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

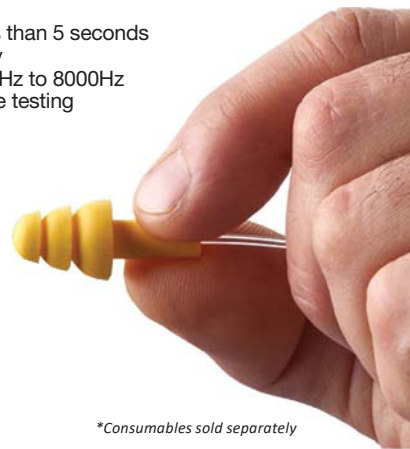
The 3M™ E-A-Rfit™ Dual-Ear Validation System makes it easy to measure every employee's unique level of protection in hearing protection fit testing and takes the guesswork out of managing compliance in your hearing conservation program

#### 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

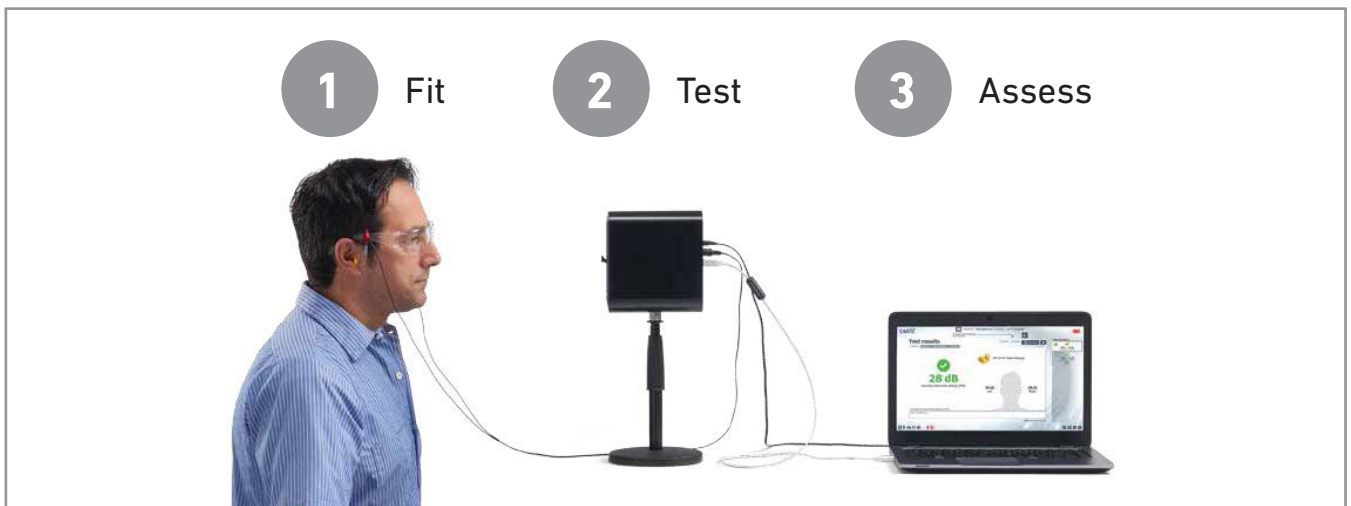
#### Applications

- Construction
- Manufacturing
- Mining
- Oil & Gas



EASY AS 1-2-3...

*\*Consumables sold separately*



For our full range of E-A-Rfit™ accessories, or to enquire about purchase or rental, visit our website: [www.kenelec.com.au](http://www.kenelec.com.au) or contact our team for details.





# AIR SAMPLING

The air we breathe is important. Knowing when that air contains something that could be hazardous to your health is just as important. Kenelec Scientific provide a range of air sampling instruments to monitor exposure and help lessen risk of exposure.

## REAL-TIME AEROSOL MONITORING

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 offer 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.

## PERSONAL MONITORS

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### TSI AM520 SIDEPAK™ PERSONAL AEROSOL MONITOR

A small, portable, battery-operated, datalogging, light-scattering laser photometer, the AM520 measures aerosol mass concentration readings within a worker's breathing zone. It is the perfect solution for real-time, personal aerosol sampling in a variety of workplace environments including mining, construction, transportation, confined spaces and general industry where air quality could be an issue.

#### Features

- Robust impactors enable reliable size fraction measurements at higher aerosol concentrations
- Real-time measurement and data-logging
- User-selectable alarm levels to alert workers to high aerosol concentrations
- 0.8 µm DPM impactor included for measurement of diesel particulate matter

#### Applications

- Construction
- Manufacturing
- Mining

### TSI AM520i SIDEPAK™ PERSONAL AEROSOL MONITOR

**Intrinsically safe design for use in explosive environments.**

The new AM520i SidePak™ aerosol monitor provides real-time monitoring of respirable dust exposure with the bonus of intrinsically safe certifications for use in potentially explosive or volatile environments.

Measuring PM10, PM4 (respirable), PM2.5, PM1 and 0.8µm for diesel particulate matter (DPM) exposures, the AM520i combines TSI's proven direct reading measurement technology, portability, data-logging, and long-running batteries with global certifications for use in environments requiring intrinsically safe instrumentation.

#### Features

- IECEx and ATEX certified
- Audible and visual alarms
- 0.8 µm DPM impactor
- PM5 China respirable size fraction impactor
- High capacity battery
- Colour OLED display

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**CERTIFIED BY SIMTARS**  
**FOR USE IN UNDERGROUND MINES IN AUSTRALIA**  
**IECEx SIM 19.0009X**

## DESKTOP AND HANDHELD MONITORS

### DESKTOP MONITORS

### HANDHELD MONITORS

#### 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 PM 1, PM 2.5, PM4 (Respirable), PM 10 and Total PM
- Lightweight and portable
- Highly accurate measurements down to 0.1µ
- 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

#### MEASURES PM FRACTIONS ONE AT A TIME



#### TSI 8530 DUSTTRAK II PORTABLE DUST MONITOR

##### Features

- 0.1 to 10 µm particle size range
- 0.001 to 400 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*



RENT ME

#### TSI 8532 DUSTTRAK II HANDHELD AEROSOL MONITOR

##### Features

- 0.1 to 10 µm particle size range
- 0.001 to 150 mg/m3 concentration range
- 3600mA rechargeable Li-Ion battery
- 3.5" VGA colour touchscreen

#### MEASURES PM FRACTIONS SIMULTANEOUSLY



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#### TSI 8533 DUSTTRAK DRX DESKTOP AEROSOL MONITOR

##### Features

- 0.1 to 15 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 capabilities

*\*cartridges not included, must be purchased separately*



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#### TSI 8534 DUSTTRAK DRX HANDHELD AEROSOL MONITOR

##### Features

- 0.1 to 15 µm particle size range
- 0.001 to 150 mg/m3 concentration range
- 3600mA rechargeable Li-Ion battery
- 3.5" VGA colour touchscreen



Looking for purchase options? **Finance packages available.** Secure your equipment without relying on up-front capital funding with tailored payment plans. **Contact our team for details.**

## PARTICLE COUNTING

Need immediate access to dust and aerosol data to determine exposure levels and take prompt corrective actions? Do you need more than a single total sample value for a full shift? Then real-time aerosol monitors are an ideal solution. Kenelec Scientific stock a range of instruments for monitoring and locating the source of potentially harmful airborne contaminants, including ultra-fine particles and engine exhaust emissions.



## HANDHELD PARTICLE COUNTERS

### TSI 3007 CONDENSATION PARTICLE COUNTER

The TSI 3007 Condensation Particle Counter is one of our smallest condensation particle counters (CPC). At only 1.7Kg it provides versatility not common with larger particle counters.

#### Features

- Particle size range of 0.01 to  $>1.0 \mu\text{m}$
- Concentration range of 0 to 100,000 particles/cm<sup>3</sup>
- Built-in LCD display
- RS-232 serial data port

#### Applications

- Basic aerosol research
- Filter and air cleaner testing
- Atmospheric and climate studies
- Particle formation and growth studies

### 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 $\mu\text{m}$
- 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



## DESKTOP PARTICLE COUNTERS



### TSI 3795 NANOPARTICLE EMISSION TESTER (NPET)

The NPET is a portable, easy to use, cost effective instrument capable of measuring total solid (non-volatile) particle number concentration from combustion sources, such as diesel exhaust or stoves. Featuring a robust, user-friendly design, the NPET can be used by researchers, regulatory inspectors, and maintenance personnel alike.

#### Features

- Sampling probe with integrated dilution
- Water removal via water trap and silica desiccant dryer
- Built-in catalytic stripper for volatile particle removal
- Concentrations up to 5,000,000 particles/cm<sup>3</sup>

#### Applications

- Engine exhaust research
- Combustion emissions research
- Aftertreatment inspection and maintenance
- Diesel Particulate Filter (DPF) compliance certification
- Fleet emissions profiling

# 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 accredited 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.

## More solutions:

In addition to the options in this catalogue, we also offer a number of other specialised monitoring solutions, as well as being able to build a system to meet your exact requirements. Get in touch or visit our website for more information.

## Have you considered renting?

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 stock an extensive range of instruments with no minimum hire period to help your business perform at its best without the financial stress of needing to buy.

All of our units are regularly checked and calibrated by our experienced technicians to ensure accurate and reliable performance, and we are constantly updating our range so you have access to the best equipment in the industry.

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.

Look for the symbol:



We look forward to  
working with you.



FS 605267

Kenelec Scientific Pty Ltd | ABN 88 064 373 717  
23 Redland Drive, Mitcham VIC 3132  
p 1300 73 22 33 | e [info@kenelec.com.au](mailto:info@kenelec.com.au) | w [www.kenelec.com.au](http://www.kenelec.com.au)

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