Scan here

with your phone camera to visit the website and browse equipment

Why choose us?

By working with us, you gain access to:

- Latest technology from leading manufacturers stocked in significant quantities.
- Equipment for various stages of your projects.
- Rental or purchase options.
- Next working day delivery options with same day delivery and collections also available.
- In house, UK based technical support team.

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london@ashtead-technology.com

Environmental, health & safety monitoring
Equipment rental, sales
& maintenance
Brochure

www.enviro.ashtead-technology.com

We're committed to environmental monitoring.

We offer equipment rental, sales and calibration solutions for environmental, health and safety monitoring applications.

Our priority is to provide clients with the latest monitoring technologies, on terms that suit their project requirements.

Equipment index:

Benefits of renting from Ashtead Technology.

- Eliminate initial investment cost required to purchase.
- No ongoing maintenance, calibration, servicing or storage costs.
- Access to the latest technology without significant investment.
- Expand your service offering before committing to equipment purchase.
- Trial new equipment or monitoring techniques before committing to equipment costs.
- Quick replacements when your own equipment isn't available.
- Next working day delivery options with same day delivery and collections also an option.
- In house, UK based technical support team.

Other services:

- **Purchase:** we have distributor agreements with a number of leading manufacturers to sell equipment.
- **Service, repair & calibration:** our engineers have received training directly from the manufacturers to offer service, repair and calibration on select equipment.

Other equipment ranges:

CCTV wastewater
ATEX systems
Crawler cameras
Push rod cameras

Remote visual inspection
Videoscopes
Stereo measurement
3D modelling

Non-destructive testing
Asset integrity
Advanced NDT systems
Conventional NDT systems
Material identification

Air quality & dust

Personal, indoor and environmental monitors for measuring exposure to PM1 - PM10, relative humidity, VOCs, temperature and toxic gases.

Scan here
with your phone camera to view the air quality & dust range online

Scan to shop me online

Available for:
Rental, purchase & calibration

Overview:
- Desktop dust monitor
- Detects dust, smoke, fumes and mists
- Measures both mass and size fraction PM1 - PM10
- Concentration range: 0.001 to 150mg/m3
- Suitable for outdoor use with kit case
- Battery life up to 12 hours

Applications:
- Workplace air quality monitoring
- Indoor air quality investigations
- Outdoor environmental monitoring
- Baseline trending and screening
- Engineering control evaluations
- Silica dust monitoring

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Sira MC160316/00
Sira MC160317/00
Sira MC160318/00

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Available for:

Rental, purchase & calibration

Overview:

- Handheld dust monitor
- Detects dust, smoke, fumes and mists
- Measures both mass and size fraction PM1 - PM10
- Concentration range: 0.001 to 150mg/m³
- Suitable for outdoor use with kit case
- Battery life up to 6 hours

Applications:

- Workplace air quality monitoring
- Indoor air quality investigations
- Baseline trending and screening
- Engineering control evaluations
- Point source monitoring

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me online

Available for:

Rental, purchase & calibration

Overview:

- Environmental dust monitor
- Suitable for outdoor monitoring
- Cloud based management system
- Concentration range: 0 - 150mg/m3
- Measures: simultaneous PMTotal, PM10, PM2.5 and PM1.0 mass fractions
- MCERTS: for PM2.5, PM10 and total PM

Applications:

- Outdoor air quality monitoring
- Fugitive emission monitoring
- Site perimeter monitoring
- Fence-line monitoring
- Dust control operations
- Remediation sites

TSI
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me online

Available for:

Rental & purchase

Overview:

- Supports outdoor monitoring applications
- Use with DustTrak 8533 when monitoring outside
- Samples efficiently in varying wind conditions
- Water trap to prevent precipitation from entering instrument
- Battery life up to 24 hours

Applications:

- Outdoor environmental monitoring
- Fugitive emissions monitoring
- Site perimeter and fence-line monitoring
- Dust control operations and pollution studies
- Construction sites
- Harsh industrial environments

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Available for:

Rental

Overview:

- High flow pump
- Provides 38 litres per minute in free air
- Provides 25 litres per minute through N6 biological sampler
- 12v DC battery
- Up to 1 hour of operation

Applications:

Indoor air quality monitoring studies

JSHoldings

See optional accessories on pages 11-12

See optional accessories on pages 11-12

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TSI Bluesky™ 8143 Air Quality Monitor

Available for:

Rental, purchase & calibration

Overview:

- Air quality monitor
- Measures PM1, PM2.5, PM4, PM10, temperature and humidity
- Remote data monitoring
- Designed for outdoor use
- Data logging

Applications:

- Remote air quality monitoring
- Fenceline/perimeter monitoring
- Community monitoring programs
- Hot spot detection
- Manufacturing facilities

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TSI Bluesky™ 8145 Air Quality Monitor

Available for:

Rental, purchase & calibration

Overview:

- Air quality monitor
- Measures PM1, PM2.5, PM4, PM10, temperature and humidity
- Weather and electrochemical gas data sensors for barometric pressure, O3, CO, CO2, NO2 and SO2
- Remote data monitoring
- Designed for outdoor use

Applications:

- Remote air quality monitoring
- Fenceline/perimeter monitoring
- Community monitoring programs
- Hot spot detection
- Manufacturing facilities

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For use with all Bluesky™ models

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Available for:

Rental or purchase

Overview:

- Designed for use with Bluesky™ monitors to allow real-time air quality monitoring in remote locations
- Includes 12 VDC (8.5) A-Hr battery, charge controller, panel, outdoor enclosure and mounting hardware

Applications:

- Remote air quality monitoring
- Fenceline/perimeter monitoring
- Community monitoring programs
- Hot spot detection
- Manufacturing facilities

UNDERSTANDING, ACCELERATED

For use with all Bluesky™ models

Scan to shop me online

Available for:

Rental or purchase

Overview:

- Designed for use with Bluesky™ monitors to allow real-time air quality monitoring in remote locations
- Includes 24 VDC power supply, modem, outdoor enclosure and mounting hardware

Applications:

- Remote air quality monitoring
- Fenceline/perimeter monitoring
- Community monitoring programs
- Hot spot detection
- Manufacturing facilities

UNDERSTANDING, ACCELERATED

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Available for:

Purchase & calibration

Overview:

- Measures Temperature, Relative Humidity, Air Velocity, Toxic Gas & CO2
- Toxic gas options CO, Cl2, EtO, HCN, H2S, NO, NO2, O2 and SO2
- Built-in sampling pump
- Data logging

Applications:

- Workplace air quality monitoring
- Indoor air quality investigations

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Available for:

Rental, purchase & calibration

Overview:

- Particulate, gas & VOC monitor
- Measures Temperature, Relative Humidity, Particulates, 1 x Toxic Gas, CO2 and VOCs
- Toxic gas options CO, Cl2, EtO, HCN, H2S, NO, NO2, O2 and SO2
- Built-in sampling pump
- Data logging

Applications:

- Particulate, gas and VOC monitoring
- Workplace air quality monitoring
- Indoor air quality investigations
- Outdoor environmental monitoring
- Baseline trending and screening
- Engineering control evaluations

UNDERSTANDING, ACCELERATED

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Available for:

Purchase & calibration

Overview:

- Indoor air quality monitor
- Measures: formeldehyde, carbon monoxide, total volatile organic compounds, carbon dioxide, particulate matter, barometric pressure, temperature and relative humidity
- Real-time monitoring via TSI Link™
- Custom alerts and user friendly dashboard

Applications:

- Indoor air quality monitoring
- Hallways, maintenance rooms and chemical storage areas
- Formaldehyde sensor makes the 8144-4 ideal for rooms with pressed wood building materials or furniture and other textiles or glue

UNDERSTANDING, ACCELERATED

Available for:

Purchase & calibration

Overview:

- Indoor air quality monitor
- Measures: ozone, nitrogen dioxide, sulphur dioxide, carbon monoxide, total volatile organic compounds, carbon dioxide, temperature/relative humidity, particulate matter and barometric pressure
- Real-time monitoring via TSI Link™
- Custom alerts and user friendly dashboard

Applications:

- Indoor air quality monitoring
- Office buildings with photocopier machines
- Industrial facilities with welding fumes
- Buildings with unvented appliances
- Buildings near busy roadways

UNDERSTANDING, ACCELERATED

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TSI AirAssure™ 8144-2 Air Quality Monitor

Available for:

Purchase & calibration

Overview:

- Indoor air quality monitor
- Measures: carbon dioxide, total volatile organic compounds, particulate matter, barometric pressure, temperature and relative humidity
- Real-time monitoring via TSI Link**™**
- Custom alerts and user friendly dashboard

Applications:

- Indoor air quality monitoring
- Hallways and chemical storage areas
- Industrial facilities and petrochemical plants
- Schools, childcare and healthcare facilities
- Hotels, shopping malls and entertainment venues

TSI AM520 Personal Dust Monitor

Available for:

Rental, purchase & calibration

Overview:

- Personal dust monitor
- Detects dust, smoke, fumes and mists
- Measures: PM10, Respirable (PM4), DPM, PM5 (China Respirable), PM2.5 and PM1
- Alarms: audible and visual
- Concentration range: 0.001 to 100 mg/m3
- Battery Life: Up to 20 hours

Applications:

- Aerospace
- Automotive
- Chemical
- Construction
- General industry
- Healthcare

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TSI AM520i Personal Dust Monitor

Available for:

Rental, purchase & calibration

Overview:

- Intrinsically safe personal dust monitor
- Detects dust, smoke, fumes and mists
- Measures: PM10, Respirable (PM4), DPM, PM5 (China Respirable), PM2.5 and PM1
- Alarms: audible and visual
- Concentration range: 0.001 to 100 mg/m3
- Battery Life: Up to 20 hours

Applications:

- Aerospace
- Automotive
- Chemical
- Construction
- General industry
- Healthcare

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TSI Q-TRAK 7575 Indoor Air Quality Monitor

Available for:

Rental, purchase & calibration

Overview:

- Handheld indoor air quality monitor
- Probes available for measuring Velocity, Temperature, VOCs, CO2, Humidity and Carbon Monoxide
- Real-time reporting: Displays up to 5 measurements simultaneously
- Easy to use reporting software

Applications:

- IAQ investigations
- Industrial hygiene surveys
- Baseline trending and screening
- Building commissioning
- Tracking down emissions to their source (point source location)

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Available for:

Rental & calibration

Overview:

- Complies with all requirements of ISO 21501-4
- 0.3 to 25 µm size range
- 0.1 CFM (2.83 L/min) flow rate
- Measures up to 6 channels of simultaneous data
- Model 9306-V2 provides unique variable binning option

Applications:

- Tracking down particle contamination sources
- Classifying clean areas
- Looking for filter leaks
- Conducting IAQ investigations

UNDERSTANDING, ACCELERATED

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Available for:

Rental

Overview:

- Size channels 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 µm
- Intuitive user interface
- Sampling plan wizard
- 21 CFR Part 11 compliance - paperless secure data transfer
- Unit-to-unit accuracy and reproducibility
- One m^3 sampling in just 10 minutes

Applications:

- Cleanroom validation testing
- ISO 21501 certification

HACH®

Be Right™

Other models available

Scan to shop me online

Available for:

Purchase & calibration

Overview:

- Mass flow meter
- Measures flow, pressure & temperature
- Range: 0-300L/min
- Calibration: Air,O2 & N2
- Connection: 22mm ISO
- Highly accurate: ±2% of reading
- Other models available

Applications:

- Product development
- Manufacturing
- Research
- Field service
- Quality assurance

UNDERSTANDING, ACCELERATED

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Available for:

Rental, purchase & calibration

Overview:

- Air sampling calibrator
- Rate of 0.01 to 20 litres per minute
- Measures real-time flow rate readings
- Continuous readings
- Battery powered, compact and lightweight
- Comes with NIST traceable calibration certificate
- Complete and ready to use

Applications:

- Product development
- Manufacturing
- Research
- Field service
- Quality assurance

UNDERSTANDING, ACCELERATED

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Scan to shop me online

Available for:

Purchase & calibration

Overview:

- Air sampling calibrator
- Rate of 2.5 to 300 litres per minute
- Measures real-time flow rate readings
- Continuous readings
- Battery powered, compact and lightweight
- Comes with NIST traceable calibration certificate
- Complete and ready to use

Applications:

- Product development
- Manufacturing
- Research
- Field service
- Quality assurance

Available for:

Rental

Overview:

- Intrinsically safe personal sampling pump
- Flow range: 1000-5000 ml/min
- Low flow range: 5-500 (requires an adapter)
- Bluetooth connectivity
- Mobile app
- Unobtrusive, suitable to be worn all day

Applications:

- Product Development
- Manufacturing
- Research
- Field service
- Quality assurance

TSI UNDERSTANDING, ACCELERATED

CASELLA

Scan to shop me online

Available for:

Rental

Overview:

- Personal sampling pump
- Built in dampener and particle trap
- Low flow capabilities with miniature adapter
- Precision timing with a high accuracy clock
- LCD display of run time
- Timer freeze at fault condition
- Simple to control built in computer

Applications:

- Indoor air quality studies
- Pharmaceutical production
- Animal care laboratories
- Wastewater treatment plants
- Cosmetic manufacturing
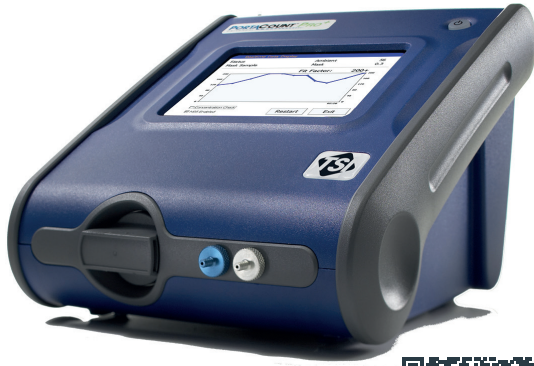- Filter and clean room efficiency studies

SKC

Fit testing

Fit testing equipment available to support with quantitative respirator fit testing (QNFT), half-mask fit testing and full-face fit testing.

Scan here
with your phone camera to view the fit testing range online

Scan to shop
me online

Available for:

Rental

Overview:

- Fit test any tight-fitting respirator including N95, P2 and P1 disposables
- N95 fit testing time 7 minutes 15 seconds
- Greater simplicity with the built-in N95 Companion™ technology
- Use with external computer to generate reports and print fit test cards

Applications:

- Quantitative respirator fit testing (QNFT)
- Half-mask fit testing
- Full-face fit testing
- Disposable filtering-facepiece fit testing for Series 100/99/95/P1/P2/P3 masks
- SCBA fit testing

UNDERSTANDING, ACCELERATED

Scan to shop
me online

Available for:

Rental

Overview:

- OSHA, CSA, HSE 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

Applications:

- Quantitative respirator fit testing (QNFT)
- Half-mask fit testing
- Full-face fit testing
- Disposable filtering-facepiece fit testing for Series 100/99/95/P1/P2/P3 masks
- SCBA fit testing

UNDERSTANDING, ACCELERATED

Gas & emissions

Single, multi-gas and ATEX monitors available to support with personal, indoor and environmental monitoring applications.

Scan here

with your phone camera to view the gas & emissions range online

Gas monitor	Gases
MiniRAE 3000	VOCs
ppbRAE 3000	VOCs
UltraRAE 3000	VOCs + C_6H_6
BW GasAlert Quattro	H_2S, CO, O_2 and LELs
Horiba PG-350	NO_x, SO_2, CO, CO_2, O_2
Geotech GA5000	CH_4, CO_2, O_2, H_2S and CO
Gas Data GFM 436	CH_4, CO_2, O_2, H_2S, CO and C_6H_{14}
Gas Data GFM 426	CH_4, CO2, O2, H2S and CO
Gas Data GFM 406	CH_4, CO_2, LEL, O_2, CO, H_2S, H_2 or N_2
Honeywell BW RigRat	*LEL, CO_2, VOC, CO, H_2S and SO_2 *more gas options available with purchase including O2, NO, NO2, HCN, NH3 and CL2
Inficon IRwin	CH_4, CO_2, C2H6, O_2 and H_2S
Gazomat Inspectra	CH_4
EcoTec TDL 500	CH_4
Gazomat GazoScan	CH_4
Testo 340	O_2 + CO, CO_{low}, NO, NO_{low}, NO_2 or SO_2
Testo 350	O_2, SO_2, CO, NO_2, NO and Hydrocarbons
SK UPAS PT FID	Hydrocarbons
Jerome J405	Hg
Jerome J605	H_2S
GES Gas-Tec MK5	Hydrocarbons
PPM Technology Formaldemeter	CH_2O
Aeroqual S500L	O_3

Gas	Formula
Carbon Monoxide	CO
Carbon Dioxide	CO_2
Chlorine	Cl_2
Oxygen	O_2
Hexane	C_6H_{14}
Hydrogen Sulphide	H_2S
Sulphur Dioxide	SO_2
Nitrogen	N_2
Nitrogen Oxide	NO_X
Nitrogen Dioxide	NO_2
Nitric Oxide	NO
Methane	CH_4
Benzene	C_6H_6
Volatile Organic Compounds	VOCs
Mercury Vapour	Hg
Combustible Gases	%LELs
Ozone	O_3
Formaldehyde	CH_2O

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Available for:

Rental

Overview:

- Measures: CH4: 0-100%, CO2: 0-100%, O2: 0-25% , H2S: 0-1000ppm + CO: 0-2000ppm
- Certifications: ATEX, MCERTS, ISO17025 and CSA
- Display: simultaneous display of all gases
- Alarm: user selectable alarm levels
- Flow: 0-20 l/h

Applications:

- Gas flaring
- Landfill gas field management
- Landfill perimeter monitoring
- Site investigation
- Waste to energy

GEOTECH
by QED

Scan to shop me online

Available for:

Rental

Overview:

- Measures: CH4: 0-100%, CO2: 0-100%, O2: 0-25% , H2S: 0-10000ppm + CO: 0-2000ppm
- Certifications: ATEX, MCERTS, ISO17025 and CSA
- Display: simultaneous display of all gases
- Alarm: user selectable alarm levels
- Flow: 0-20 l/h

Applications:

- Gas flaring
- Landfill gas field management
- Landfill perimeter monitoring
- Site investigation
- Waste to energy

GEOTECH by QED

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Available for:

Purchase, rental & calibration

Overview:

- ATEX certified gas analyser
- Measures CH4 (by both volume and Lower Explosive Limit), CO2, O2, H2S and CO
- Measures flow rate, atmospheric, static, and differential pressures
- Measure hexane content
- PID correction factor for low levels of Volatile Organic Compounds (VOCs)

Applications:

- ATEX site investigation
- Borehole monitoring
- Landfill gas control
- Environmental regulation compliance monitoring

GAS DATA
LISTEN · ANALYSE · INFORM

Available for:

Purchase & calibration

Overview:

- ATEX certified gas analyser
- Measures CH4 (by both volume and Lower Explosive Limit), CO2, O2, H2S and CO
- Measures atmospheric, static, and differential pressures
- Calculates flow rate reading through differential pressure

Applications:

- Landfill gas extraction
- Biogas monitoring
- Odour monitoring
- Soil decontamination
- Remediation sites

Available for:

Purchase & calibration

Overview:

- ATEX certified gas analyser
- Can be configured with infra-red channels for CH4 and CO2 analysis
- Optional LEL expansion and up to four electrochemical cells to measure any combination of O2, CO, H2S or H2
- Capable of N2 balance calculation
- Optional measurements: atmospheric, static (gauge) and differential pressure; velocity; temperature

Applications:

- Biogas monitoring
- Wastewater and sewage treatment
- Odour monitoring

MiniRAE 3000 PID/VOC Detector

Available for:

Rental, purchase & calibration

Overview:

- Correction factors: 200 compounds +
- Battery life: 12 hours +
- 3 second response time
- PID measurement from 0-15,000 ppm
- Built-in flashlight
- Data logging: 1 minute intervals (up-to 6 months)

Applications:

- Boundary monitoring
- Health and Safety monitoring
- VOC detection
- HazMat response
- Industrial Hygiene

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Honeywell

ppbRAE 3000 PID Surveyor

Available for:

Rental, purchase & calibration

Overview:

- Correction factors: 350+ compounds
- Measures from 1ppb up to 10,000ppb
- 3 second response time
- Humidity compensation
- Optional built-in Bluetooth transmitter that transmits up to 2 miles with RAELink3 wireless router

Applications:

- Decontamination
- Environmental cleanups / remediation
- Hazmat response
- Indoor air quality
- Plant shutdown & turn-around

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Honeywell

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UltraRAE 3000 Benzene PID

Available for:

Rental, purchase & calibration

Overview:

- Benzene PID
- Benzene measurement: 50ppb – 200ppm
- VOC range: 0.05ppm up to 10,000ppm
- Correction factors: 350+ compounds
- Photoionization sensor with standard 9.8 eV lamp
- Response time: 3 seconds

Applications:

- Confined space entry
- Environmental clean-ups / remediation
- Exploration
- Hazmat response
- Leak detection
- Plant shutdown & turn-around

Honeywell

Testo 350 Emissions Analyser

Available for:

Rental, purchase & calibration

Overview:

- Sensors available on rental unit: O2, SO2, CO, NO2, NO and Hydrocarbons
- Additional sensors available: COlow, NO, NOlow, NO2, CxHy and H2S
- Pre-installed application settings for: burner, gas turbine, engines and user-defined
- MCERTS approval: O2, CO, NO, NO2 & CO2

Applications:

- Service measurement, tuning and compliance testing
- Industrial engines, burners, boilers and gas turbines

Be sure. **testo**

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me online

Available for:

Purchase & calibration

Overview:

- Industrial Flue Gas Analyser
- Standard Sensor: O2
- Additional Sensors Available: CO, COlow, NO, NOlow, NO2 or SO2
- Bluetooth connects with notebook, PC, tablet, smartphone, Testo printer
- Interchangeable probe options

Applications:

- Efficient commissioning, tuning, efficiency optimisation and troubleshooting when servicing industrial burners
- Inspections and tuning work on stationary industrial engines

Be sure. **testo**

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Available for:

Rental

Overview:

- Hydrocarbon detector with FID sensor: detects methane, propane, butane, pentane and tetrahydrofuran (calibrated for methane)
- Detection range: 1 - 10,000ppm
- Highly accurate: +/- 10%
- Detection speed: less than 2 seconds
- GPS tracking

Applications:

- Natural gas surveys
- Landfill surveys
- Environmental surveys
- Leak detection
- Methane sniffing

G E S

SK UPAS PT FID

Available for:

Rental

Overview:

- Flame Ionization Detector (FID)
- Measured range: 0-125 (CB) / 0-39/ 0-100/ 0-500 mg org.C/m3
- Meets the requirements of EN 12619 and EN 15267 Part 4
- Integrated CPU with menu-driven handling
- Full automatic self-control and failure analysis of the system

Applications:

- Emission control
- Process control
- Factory monitoring
- In laboratories for flexible set-ups

Gazomat Inspectra Methane Detector

Available for:

Rental, purchase & calibration

Overview:

- Detects: Methane (CH4)
- High methane sensitivity: Below 1ppm
- Detection range: 0-10,000 ppmf
- Response time: 4.5 seconds
- Extended measurement range from 1ppm to 100% gas volume
- Alarm: visual and audible
- ATEX Rating: II 2G Ex ib IIA T1 Gb
- Battery life: Up to 8 hours

Applications:

- Fugitive emissions
- Natural gas networks
- Methane leak detection

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Available for:

Rental

Overview:

- Detects: Methane (CH4)
- Sensitivity: 1ppm
- Detection range: 0-10,000 ppm
- Response time: 6 seconds
- Alarm: visual and audible
- ATEX Rating: II 2G Ex ib IIA T1 Gb
- Battery life: Up to 8 hours

Applications:

- Fugitive emissions
- Natural gas networks
- Methane leak detection

ecotec

Scan to shop me online

Available for:

Rental, purchase & calibration

Overview:

- Detects: Methane (CH4)
- Sensitivity: 5ppm
- Excellent detection at 100m (330ft)
- Response time: 0.1 seconds
- Alarm: visual and audible
- ATEX Rating: II 2G Ex ib IIA T3 Gb
- Battery life: Up to 9 hours

Applications:

- Landfill & biogas
- Natural gas networks
- Methane leak detection

GAZOMAT.

Scan to shop me online

Available for:

Rental, purchase & calibration

Overview:

- Measures: LEL, CO2, VOC, CO, H2S, SO2 (with rental - more gas sensors available with purchase)
- Large display
- Remote monitoring
- Rugged, weatherproof design
- Humidity range: 5-9%
- Alarm type: Visual, audible & vibrating
- Battery life: 8 weeks
- Line power for extended run time

Applications:

- Field gas monitoring
- Multi-gas monitoring
- Hazardous areas
- Loop monitoring

Honeywell

Scan to shop me online

Available for:

Rental

Overview:

- Monitors NOx, SO2, CO, CO2 and O2
- Response time: 45 seconds or less
- Sampling flow rate: approximately 0.5 L/min
- Portable and lightweight
- High visibility touch screen
- Shortened warm up time
- Timer function

Applications:

- Power plants
- Field measurements
- Laboratory applications

HORIBA
Process & Environmental

Scan to shop me online

Scan to shop me online

Available for:

Rental, purchase & calibration

Overview:

- Methane gas detector
- Also detects: carbon dioxide, ethane, oxygen & hydrogen sulphide
- SXT model available for rental
- Differentiates between natural gases and marsh gases
- Measurement range: 1ppm to 100% CH4

Applications:

- Methane detection
- Natural gas networks
- Landfill surface emissions
- Momentary leaks of methane

Available for:

Rental

Overview:

- Hydrogen Sulphide (H2S) analyser
- Low level detection: as low as 3ppb
- Highly accurate: ±1 ppb at 5 ppb, ±3 ppb at 50 ppb, ±0.03 ppm at 0.5 ppm or ±0.3 ppm at 5.0 ppm
- Resolution: 20 ppt (0.02 ppb)
- On-screen reporting and data logging

Applications:

- Agricultural applications
- Ambient air analysis
- Applied research
- Control room corrosion
- Leak detection
- Hydrogen sulphide source

Scan to shop me online

Available for:

Rental

Overview:

- Measurement range 0.5 ug/m³ to 3000 ug/m³
- Accuracy: +/-5% at >100ug/m³ Hg
- Sample mode response time 12 seconds
- Flow rate: 750cc/min
- 230 VAC power supply with Nickel Metal Hydride rechargeable battery pack
- On-screen reporting and data logging

Applications:

- Mercury spill response & cleanup
- Facility monitoring
- Hazardous waste sites
- Worker safety
- Landfill monitoring
- Mercury exclusion testing

Scan to shop me online

Available for:

Rental, purchase & calibration

Overview:

- Detects: hydrogen sulphide, carbon monoxide, oxygen & combustible gases
- Alarms: visual and audible
- Lightweight: weighs only 338g
- Easy to use: one button operation
- Reporting: real-time display + data logging
- Battery life: up to 20 hours

Applications:

Personal gas monitoring

ABLE Instruments & Controls

Honeywell

Scan to shop me online

Scan to shop me online

Available for:

Rental

Overview:

- Portable gas monitor
- Measures: ozone
- 0-0.5ppm sensor
- Lightweight
- In-built data logging
- Up to 8 hours run time

Applications:

- Occupational hygiene surveys
- Building investigations

Available for:

Rental

Overview:

- Displays Formaldehyde concentrations in both ppm and mg/m3
- Single button, fast sampling
- Datalogs up to 7 days continuous monitoring
- Comes with software for data download
- Quick recovery from normal concentrations
- Unaffected by extremes of temperature and humidity
- Simple operation

Applications:

- Medical care and pharmaceuticals
- Agriculture and fumigation
- Manufacturing
- Building management

Noise

Dosimeters and sound level meters to complete personal, workplace and environmental noise exposure assessments.

Scan here
with your phone camera to view the noise range online

Svantek SV 971A Class 1 Sound Level Meter

Scan to shop me online

Available for:

Rental & calibration

Overview:

- Class 1 certified to IEC 61672-1 and IEC 61260-1
- Frequency range: 5Hz ÷ 20KHz (+/- 3dB)
- Total measurement range: 17dBA Leq ÷ 140dBA Peak

Applications:

- Occupational noise measurement
- Environmental noise measurement
- Calculation of building acoustics
- Construction
- Manufacturing
- Engineering

SVANTEK

Scan to shop
me online

Available for:

Rental & purchase

Overview:

- Accuracy: Type 1
- Frequency bands: Octave, 1/3 Octave and Broadband
- Total measurement range: 20 to 140dB RMS
- Standards (workplace): ISO9612 and OSHA 29CFR 1910.95
- Standards (environmental): ISO1996, BS4142

Applications:

- Workplace noise assessments according to ISO9612, OSHA 29CFR 1910.95
- Selection of hearing protection
- Calculation of noise exposure
- Ensuring compliance with workplace noise legislation

CASELLA≡

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me online

Available for:

Rental & purchase

Overview:

- Internal power for up to 10 days
- *Protection from wind and light rain - not waterproof
- Quality materials and robust construction
- Self contained with rechargeable battery
- For use with the CEL-630 Series
- Time history data logged to the instrument

*Note that this doesn't come with a sound level meter but these can be rented separately - this is the kit to protect sound level meters from the wind and light rain

Applications:

Environmental sound level assessments

CASELLA≡

Scan to shop me online

Available for:

Rental

Overview:

- Class 1 certified to IEC 61672-1
- GPS function
- Total measurement range: >100dB dynamic range
- MEMs microphone
- Real time analysis
- SVANNET compatible

Applications:

- Construction
- Manufacturing
- Engineering

SVANTEK

Scan to shop me online

Available for:

Rental & purchase

Overview:

- Standards: L108 Controlling Noise at Work
- Intrinsically Safe
- Octave Band Analysis
- Audio Recording – store up to 15 seconds of voice notes
- Real-Time Display + Bluetooth Connectivity for remote analysis

Applications:

- Complete shift exposure measurements
- Task based measurements
- Measurements in accordance ISO9612:2009, L108 Controlling Noise at Work
- Selection of hearing protection

CASELLA

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Available for:

Purchase & calibration

Overview:

- Bluetooth option syncs to the Edge 4+ mobile app for total management of the dosimeter
- Compact, 3-ounce (85 grams) unit mounts easily to the shoulder
- Large colour OLED display for easy reading
- LED dose indicator flashes when dose level has been exceeded

Applications:

Worker exposure assessments

	SE-401	SE-402	SE-402-R	SE-401-IS	SE-402-IS
DMS Compatible	X	X	X	X	X
Data Logging	X	X	X	X	X
External AC/DC Output	X	X	X		
Class/Type 2 Accuracy		X	X		X
Class/Type 1 Accuracy	X			X	
Remote Capability with Removable Preamp	X		X		
Intrinsic Safety Approval				X	X

See table for features of meters in 400 series

Vibration

Personal, HAV and ground vibration monitoring systems to ensure compliance with the relevant ISO and BS standards.

Scan here

with your phone camera to view the vibration range online

Scan to shop me online

Available for:

Purchase & calibration

Overview:

- Sound Detector
- Accuracy: Type 1 or Type 2
- Intrinsically safe: Yes (requires IS model)
- Parameters: SPL, LMax, LMin, LPk (peak), LEQ/LAVG, LE, Elapsed Time
- Range: 110 dBA total dynamic measurement range. Overall range 30 – 140 dBA

Applications:

- Workplace sound monitoring
- Environmental sound monitoring
- Sound monitoring in an intrinsically safe environment

Scan to shop me online

Scan to shop me online

Available for:

Rental & calibration

Overview:

- Measures triaxial velocity and calculates Peak Particle Velocity and Dominant Frequency values simultaneously
- Waterproof housing
- Configurable to human vibration in buildings in accordance DIN 4150-3 and BS 7385-2
- Mobile application
- Long battery life (up to 6 months)

Applications:

- Building vibration monitoring
- Ground vibration monitoring

Available for:

Rental, purchase & calibration

Overview:

- Personal vibration monitor for whole body and hand-arm assessments
- Measures in accordance with ISO 8041 1:2017, ISO 2631-1,2&5 (including VDV and MTVV), ISO 5349, Directive 2002/44/EC
- Six channels for acceleration (IEPE type) and two channels for static force measurements

Applications:

- Whole body vibration assessments
- Hand-arm vibration assessments

SVANTEK

SVANTEK

Upgrade available to include sound level meter

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Available for:

Rental & calibration

Overview:

- Peak Particle Velocity (PPV) and Vibration Dose Value (VDV) measured simultaneously
- Modes include PPV, DF, RMS, VDV, MAX, Peak, Peak-Peak, Vector, aw, awv
- Measures in accordance to ISO 2631-1 and BS 6472
- Remote data monitoring via SvanNET

Applications:

- Blasting vibration monitoring
- Piling vibration monitoring
- Demolition vibration monitoring
- Construction vibration monitoring
- Traffic vibration monitoring

SVANTEK

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Available for:

Rental, purchase & calibration

Overview:

- Meets ISO 8041:2005
- Make measurements in accordance to ISO 5349 and European Directive 2002/44/EC
- Attaches to the user's arm, lightweight and unobtrusive design
- Measurement modes: RMS, Max, Peak-Peak, Peak Vector, A(8) Daily Dose, ELV and EAV

Applications:

Hand-arm vibration assessments

SVANTEK

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me online

Available for:

Purchase & calibration

Overview:

- Whole body vibration dosimeter
- Measures in accordance with ISO 2631-1
- Easy to use with simple operation
- Compatible with SmartPhone app - displays real-time measurements
- RMS and RMQ detectors allows the calculation of Daily Vibration Exposure

Applications:

Whole body vibration assessments

Scan to shop
me online

Available for:

Purchase & calibration

Overview:

- Hand-held vibration field calibrator
- Easy calibration of hand-arm vibration meters and as well as machine vibration meters
- Calibrator operates on two frequencies 79.6 Hz and 159.2 Hz
- In-field accelerometer checks according to ISO 8041
- Built-in triaxial reference accelerometer

Applications:

Sensor verification checks for personal vibration monitors

SVANTEK

SVANTEK

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me online

Available for:

Rental

Overview:

- Channel options: Impulse & Continuous
- Twin Channel: Yes
- Triggering: from 0.1 mm/s
- Auto range: from 0.1 mm/s to 200 mm/s
- Data recording: Approx. 500 trigger events or 21 days continuous (1 second intervals)
- Software: V9000 PC Software

Applications:

- Blasting vibration monitoring
- Piling vibration monitoring
- Demolition vibration monitoring
- Construction vibration monitoring
- Traffic vibration monitoring

VIBROCK

Land survey

Equipment hire solutions to support with land surveying projects. GNSS systems, levels, pipe lasers, scanning systems, total stations and utility locators.

Scan here

with your phone camera to view the survey range online

Scan to shop me online

Available for:

Rental

Overview:

- 8 mm H / 15 mm V max. precision
- 672 channels
- IMU-based tilt compensation
- Reach hard to access points
- Integrated antenna
- Rugged durability
- Rents with TDC600 Controller

Applications:

Highly accurate location positioning using coordinates

Scan to shop me online

Available for:

Rental

Overview:

- 8 mm H / 15 mm V max. precision
- 440 Channels
- Integrated Antenna
- Simple integration with Trimble S-Series Total Stations
- Rents with TDC600 Controller

Applications:

Highly accurate location positioning using coordinates

Scan to shop
me online

Scan to shop
me online

Available for:

Rental

Overview:

- Indifferent to weather conditions and reliable in the rough world of the building sites
- High setting accuracy ensures that the line of sight stays put
- Instantaneous check facility with the push-button control not only makes work easier; it also promotes confidence

Applications:

- Levelling of all types and all orders of accuracy
- Precise levelling and settlement determinations on buildings
- Routine heighting for the construction of roads, railways, pipelines, tunnels and so forth
- Setting-out work and control measurements

Available for:

Rental

Overview:

- The pipe laser fits inside a 100 mm/4" pipe
- With the housing rolled up to ± 3°, the Piper will compensate and correct for the grade errors
- Easy grip handle, heavy base and clear markings on the pole to adjust/set the height

Applications:

- Pipe alignment
- Setting the fall gradient over the pipe run

Scan to shop
me online

Scan to shop
me online

Available for:

Rental

Overview:

- Automatic calibration
- Automatic survey grade level compensation
- Increases your field productivity with the industry's most comprehensive automatic registration
- Rents with: T10 Tablet Controller

Applications:

- Accurately measure and collect data from objects, surfaces, buildings, and landscapes
- Spatial scanning

Available for:

Rental

Overview:

- All in one solution for survey campaigns
- Highly accurate and efficient
- 5" angular accuracy
- Measure further and faster with the Trimble DR Plus EDM
- Locate2Protect real-time equipment monitoring and Trimble InSphere
- Complete field-to-office solution for quick data capture and processing
- Seamless integration with Trimble V10 Imaging Rover and GNSS receivers

Applications:

Accurate measurements for surveying campaigns

&·Trimble.

&·Trimble.

Scan to shop me online

Available for:

Rental

Overview:

- Enables accurate height measurements
- Removes the need to remeasure

Applications:

For use with the Trimble S5 5" Total Station with TSC7 controller

Scan to shop me online

Available for:

Rental

Overview:

- Quickly follow lines with "Guidance Mode"
- Customise the locator to your network frequencies
- Use Power Filters™ to pinpoint and discriminate between power cables
- Combine accuracy with speed – Peak+ mode
- Automatic usage logging with GPS positioning

Applications:

- Locating the position / path of buried cables and pipes
- Detecting and pinpointing insulation faults on buried cables and pipes
- Creating survey records of buried cables and pipes locations

RADIODETECTION

Soil

XRF analysers for soil analysis and bespoke systems for ensuring compost meets the relevant resale conditions.

Available for:

Rental

Overview:

- Modes for: general metals, precious metals, coatings, soil, mining, electronic alloys, lead in paint products, industrial lead in paint, and plastics
- 2W/6-45 kV x-ray tube
- USB and Bluetooth communications
- Large area drift detector

Applications:

- Precious metals analysis
- Quality assurance testing
- Ore grade control
- Scrap metal sorting
- Mine mapping
- Lead in paint
- Coating thickness measurements

Thermo
S C I E N T I F I C

Scan to shop me online

Available for:

Rental

Overview:

- Modes for: metal alloy, electronics alloy, precious metals, mining, soil and plastics
- 45 kV miniaturized x-ray tube
- USB and Bluetooth communications
- Large area drift detector

Applications:

- Precious metals analysis
- Ore grade control
- Scrap metal sorting
- Mine mapping
- Lead in paint

Thermo
SCIENTIFIC

Scan to shop me online

Available for:

Rental

Overview:

- Modes for: general metals, precious metals, soil, mining, lead in paint, AUTO CAT, plastics and electronics
- High count rate for lower detection limits and faster analysis
- Point and shoot simplicity

Applications:

- Precious metals analysis
- Positive material identification (PMI)
- Ore grade control
- Exploration
- Scrap metal sorting
- Mine mapping

Thermo
SCIENTIFIC

Scan to shop me online

Available for:

Rental

Overview:

- Portable radiation monitor
- Large, easy to read scale
- Simple to operate
- User configurable alarm
- Audible and visual radiation intensity indicators
- Lightweight and compact

Applications:

Radiation contamination monitoring

Temperature

Thermal imaging cameras and temperature probes for compliance testing on waste stockpiles.

Scan here

with your phone camera to view the temperature range online

Scan to shop me online

Scan to shop me online

TSI QUESTemp 36 Heat Stress Monitor

Available for:

Rental, purchase & calibration

Overview:

- Heat stress monitor
- Measures: temperature, relative humidity and Wet Bulb Global Temperature (WGBT) indoor and outdoor
- Intrinsically safe
- Data logging at intervals: 1, 2, 5, 10, 15, 30 or 60 minutes

Applications:

- Indoor air quality investigations
- Military training, event and sport facilities
- Manufacturing plants
- Nuclear and fossil fuel power generation plants
- Risk analysis and thermal comfort monitoring

FLIR P620 thermal camera

Overview:

- High resolution thermal images
- Extraordinary thermal sensitivity: 0.06oC
- Eyepiece viewfinder and LCD screen to suit working conditions
- Large 14cm LCD screen
- Laser locator and visual target illuminator

Applications:

- Condition monitoring
- Veterinary thermal imaging
- Night vision
- Process control
- Building inspection
- Electrical testing

Water

Water quality meters, oil/water interface probes and peristaltic pumps to support with water sampling and remediation projects.

Scan here

with your phone camera to view the water range online

Scan to shop me online

Available for:

Rental

Overview:

- Measures depth and thickness of floating (light non-aqueous phase liquids), sinking (dense non-aqueous phase liquids) hydrocarbons and water
- Measures in monitoring wells as small as 1/2 inch (12.5mm) inner diameter
- Optical probe
- Automatic sleep function
- Audio alert beeper and LED

Applications:

- Measure hydrocarbons
- Remediation projects
- Petrol forecourt clean up
- Brownfield projects
- Landfill

YSI

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me online

Available for:

Rental

Overview:

- Easy-to-install cable weights; can be daisy-chained for additional weight
- Rubber, over-molded IP-67 waterproof case
- Rugged cables, sensors, and military-spec connectors
- Scratch-resistant lens; viewable with polarized glasses

Applications:

- Groundwater sampling
- Low flow sampling
- Aquaculture
- Coastal sampling
- Surface water sampling
- Drinking water sampling

Scan to shop
me online

Available for:

Rental

Overview:

- Narrow diameter probe
- 100m
- Sealed electronics
- Audio and visual alarms
- EC class II tape accuracy
- ATEX certified zone 0
- Safe detection

Applications:

- Remediation projects
- Petrol forecourt clean up
- Brownfield projects
- Landfill

Scan to shop me online

Available for:

Rental

Overview:

- Power source and drive mechanism combined
- Powered by the latest and smallest Honda GX 4-stroke engine
- Improved tubing grip giving greater pumping efficiency

Applications:

- Sampling narrow diameter piezometers or multi-level tubes
- Sampling below LNAPL layer
- Well development / sediment removal
- Sampling for volatile organic compounds (VOCs)

waterra

Below are some frequently asked questions for the ordering and delivery of equipment.

If you have any additional questions, please contact our team by phoning +44 (0)1462 679 020 or by emailing london@ashtead-technology.com

Do you offer a delivery service?
Yes! We offer timed services to most locations within the UK. We can also provide a same-day service if required.

Do you offer a collection service?
Yes, if you are in the UK, we can collect equipment that you have on hire! Just contact us on the day the collection is required before 11:30am and we will arrange it.

Can you ship to Europe?
Yes! Just contact us with the delivery address and we can confirm the services available.

Do you offer protection for damage or loss?
Yes! Our Damage Loss Waiver (DLW) program is available which reduces your liability in the event of damage or loss.

Can you provide technical support?
Yes! Our dedicated technical team can provide equipment support.

Where can I see all of your equipment?
Please visit www.enviro.ashtead-technology.com to browse the full environmental, health & safety range.

Or visit www.ashtead-technology.com to browse the non-destructive testing, remote visual inspection and subsea equipment range.

What are the payment options?
You can pay using credit/debit card or by setting up a credit account (NB it can take up to 3 working days to set up a credit account).

How quickly can I get equipment?
Usually next day, but it depends on availability. Please contact us for any urgent enquiries by calling +44 (0)1462 679 020 or by emailing london@ashtead-technology.com