

Environmental, health & safety monitoring

Equipment rental, sales & maintenance

Catalogue



Ashtead Technology Ltd

Equipment rental, sales, calibration & repair

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Ashtead
Technology

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 customers with the latest monitoring technologies, on terms that suit their project requirements.

Equipment includes:



Air quality & dust
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Fit testing
Pages 29-31



Gas & emissions
Pages 32-56



Noise
Pages 57-64



Vibration
Pages 65-72



Land surveying
Pages 73-83



Soil
Pages 84-87



Temperature
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Water
Pages 95-99

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.



Air quality & dust

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



TSI DustTrak 8533 Dust & Aerosol Monitor



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



UNDERSTANDING.
ACCELERATED

TSI DustTrak 8534 Handheld Monitor



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
- Outdoor environmental monitoring
- Baseline trending and screening
- Engineering control evaluations
- Point source monitoring

TSI DustTrak 8543 Environmental



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 DustTrak 8532 Dust & Aerosol Monitor



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
- Single point data logging capability

Applications:

- Industrial/occupational hygiene surveys
- Indoor air quality investigations
- Point source monitoring
- Baseline trending and screening
- Engineering control evaluations

TSI DustTrak 8535 Environmental Enclosure



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

TSI Quest EVM-7 Air Quality Monitor



TSI Quest EVM-4 Air Quality Monitor



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

Available for:

Purchase

Overview:

- Air quality monitor
- 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

TSI Bluesky™ 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
- Gas sensors coming soon

Applications:

- Remote air quality monitoring
- Fenceline/perimeter monitoring
- Municipalities & smart cities
- Community monitoring programs
- Hot spot detection
- Manufacturing facilities

TSI AirAssure™ 8144-4 Air Quality Monitor



Available for:

Purchase & calibration

Overview:

- Indoor air quality monitor
- Measures formaldehyde, 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 studies
- Can be used in 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



TSI AirAssure™ 8144-6 Air Quality Monitor



TSI AirAssure™ 8144-2 Air Quality Monitor



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 studies
- Office buildings with photocopier machines
- Industrial facilities with welding fumes
- Buildings with unvented appliances
- Buildings near busy roadways

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 studies
- Hallways and chemical storage areas
- Industrial facilities and petrochemical plants
- Schools, childcare and healthcare facilities
- Hotels, shopping malls and entertainment venues

JS Holdings 16000E High Flow Pump



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
- Elapsed timer

Applications:

Indoor air quality monitoring studies

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

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

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)

TSI IAQ-Calc 7545 Indoor Air Quality Monitor



Available for:

Rental, purchase & calibration

Overview:

- Indoor air quality monitor
- Measures CO₂, CO, Temperature, Humidity, Percentage outside air, Dew point and Wet bulb temperature
- Displays up to 3 parameters
- Data logging
- Low-drift NDIR CO₂ sensor

Applications:

- Verify building HVAC system performance
- Examine building IAQ conditions to optimise worker productivity
- Comply with regulations and guidelines

TSI P-TRAK 8525 Ultrafine Particle Counter



Available for:

Rental, purchase & calibration

Overview:

- Concentration range 0 to 5 x 10⁵ particles/cm³
- Particle size range 0.02 to 1 micrometer
- Locates pollutant sources
- Real time data display
- Up to 6 hours battery life
- Easy to use reporting software

Applications:

- Cleanroom containment checks
- Filter checks
- Check fume hoods
- Check safety cabinets
- Vehicle emission migration
- Combustion leaks

TSI AeroTrak 9306 Particle Counter



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

Hach Met One 3413 Particle Counter



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 m³ sampling in just 10 minutes

Applications:

- Cleanroom validation testing
- ISO 21501 certification

Hach Met One 3445 Particle Counter



TSI 4040 Mass Flow Meter



Available for:

Rental

Overview:

- Size channels 0.5, 1.0, 2.0, 3.0, 5.0, 10.0 μm
- 100 LPM (3.53 CFM)
- 21 CFR Part 11 compliance
- Battery operated
- Long Life Laser technology
- Unit-to-unit accuracy and reproducibility
- ISO 21501 compliance

Applications:

- Cleanroom validation testing
- Track particle sources
- Classifying clean areas
- Conducting IAQ investigations

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: $\pm 2\%$ of reading
- Other models available

Applications:

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



TSI 4146 Air Sampling Calibrator



TSI 4046 Air Sampling Calibrator



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

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

Casella Apex2 Air Sampling Pump



Available for:

Rental

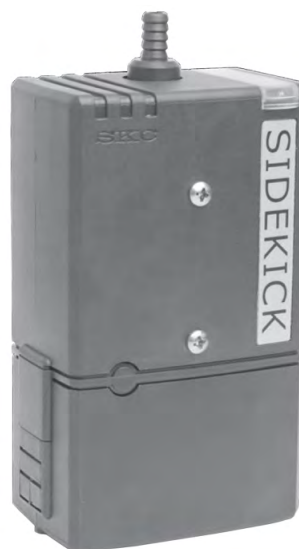
Overview:

- 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

SKC Sidekick Personal Sampling Pump



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

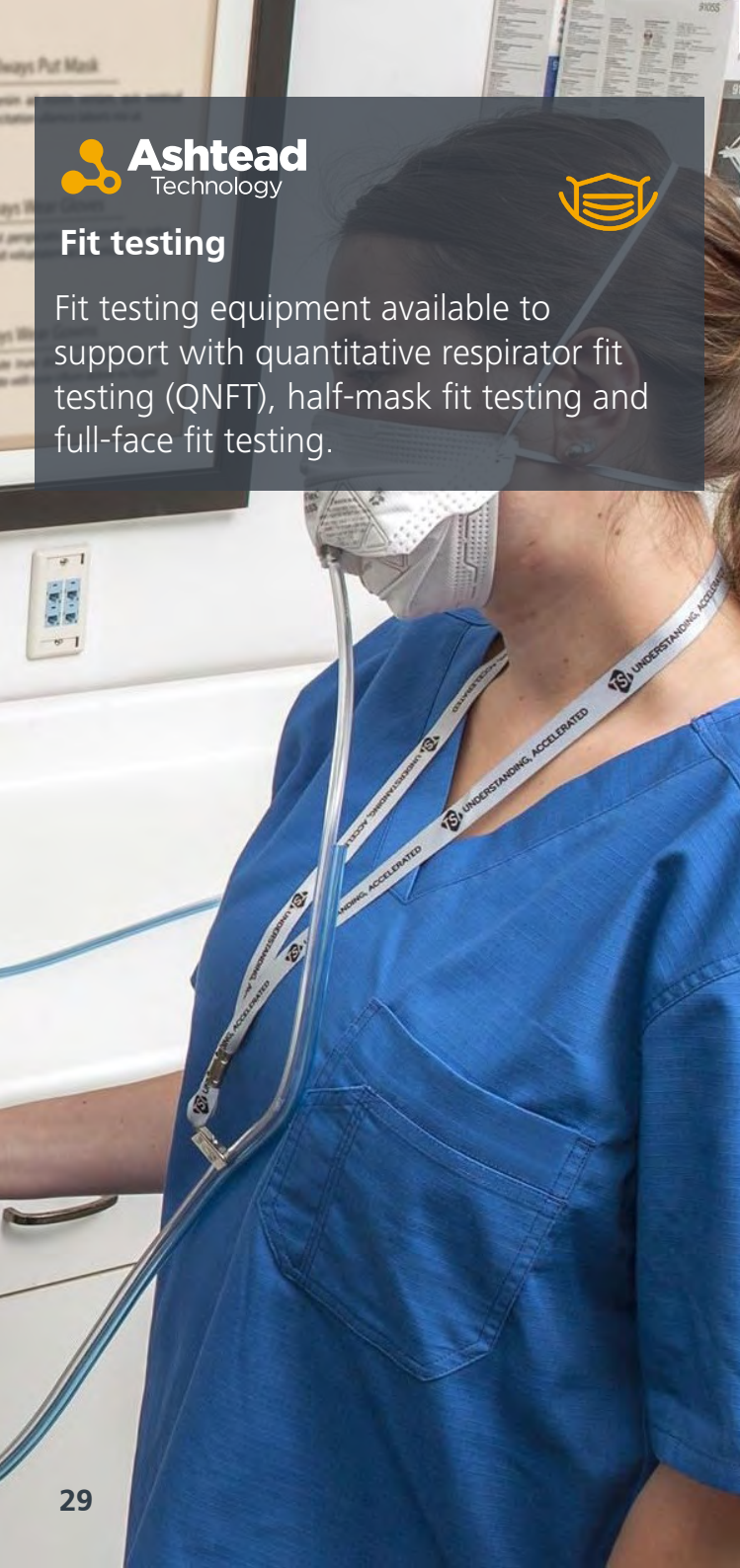
CASELLA

SKC



Fit testing

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



TSI PortaCount 8038 Fit Tester



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

TSI PortaCount 8048 Fit Tester



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:

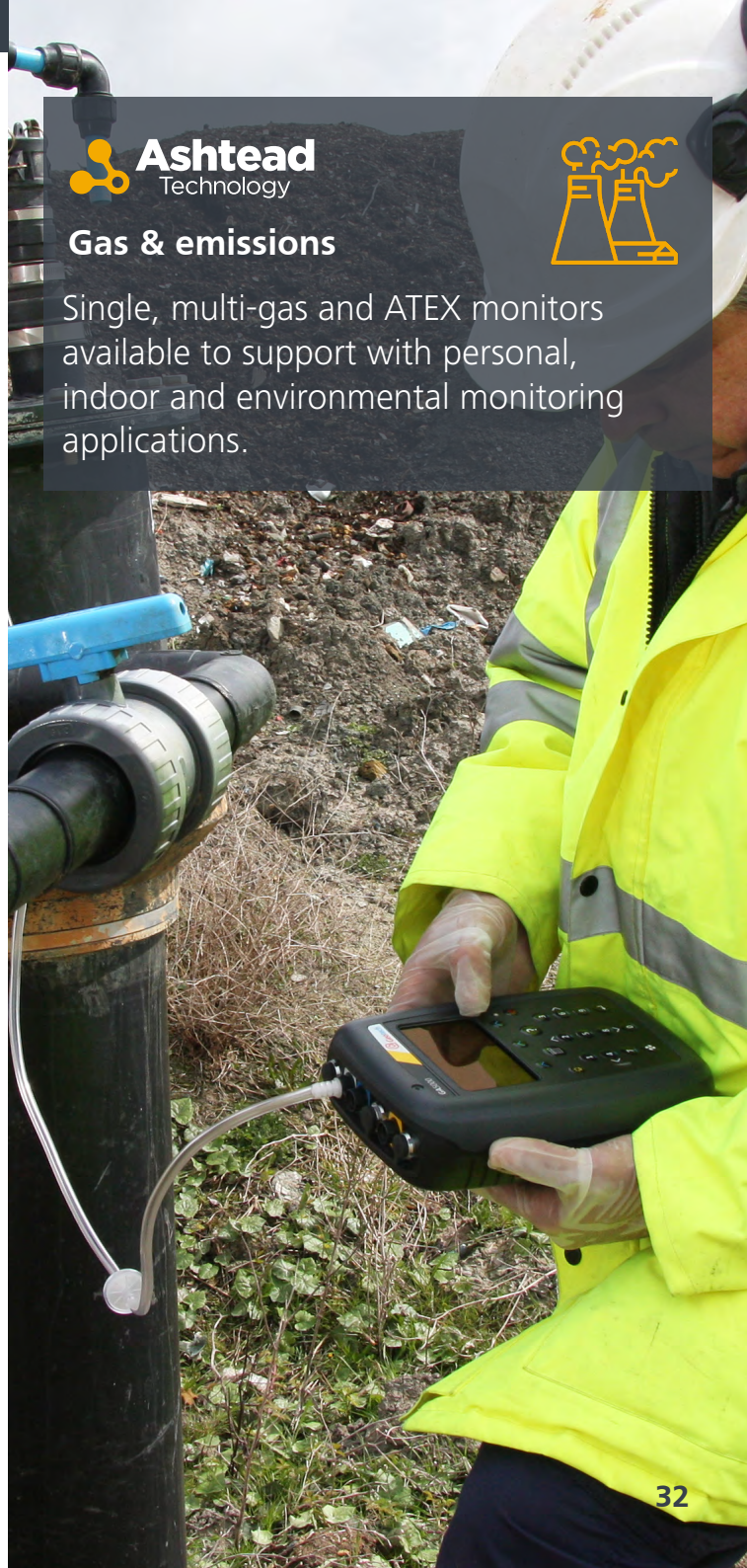
- Quantitative respirator fit testing (QNFT)
- Half-mask fit testing
- Full-face fit testing
- Disposable filtering-facepiece fit testing for Series 100/99/95/P1/P2/P3 masks
- SCBA fit testing



Gas & emissions



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



Monitors by gases

Gas monitor	Gases
Aeroqual S500L	O ₃
MiniRAE 3000	VOCs
MiniRAE Lite	VOCs
ppbRAE 3000	VOCs
UltraRAE 3000	VOCs + C ₆ H ₆
BW GasAlert Quattro	H ₂ S, CO, O ₂ + LELs
AreaRAE Responder	LELs, O ₂ , CO, H ₂ S + PID
AreaRAE Steel	O ₂ , LELs, PID, NO & NO ₂
AreaRAE Plus	Up to 7 threats
Geotech GA5000	CH ₄ , CO ₂ , O ₂ , H ₂ S + CO
Inficon IRwin	CH ₄ , CO ₂ , C ₂ H ₆ , O ₂ + H ₂ S
EcoTec TDL 500	CH ₄
Testo 320	CO ₂ , CO, multi-gas, O
Testo 330	CO ₂ , CO, multi-gas, O
Testo 350	O ₂ , SO ₂ , CO, NO ₂ , NO + Hydrocarbons
Testo 340	O ₂ + CO, CO _{low} , NO, NO _{low} , NO ₂ or SO ₂
SICK Bernath 3006	Hydrocarbons
Jerome J405	Hg
Jeremone J605	H ₂ S
GES Gas-Tec MK5	Hydrocarbons
PPM Technology Formaldemeter	VOCs

Gas Chart

Gas	Formula
Carbon Monoxide	CO
Carbon Dioxide	CO ₂
Oxygen	O ₂
Hydrogen Sulphide	H ₂ S
Sulphur Dioxide	SO ₂
Nitrogen Oxide	NO _x
Nitrogen Dioxide	NO ₂
Nitric Oxide	NO
Methane	CH ₄
Benzene	C ₆ H ₆
Volatile Organic Compounds	VOCs
Mercury Vapour	Hg
Combustible gases	%LELs
Ozone	O ₃

Aeroqual S500L Ozone Monitor



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

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

MiniRAE Lite PID/VOC Detector



Available for:

Purchase & calibration

Overview:

- Portable handheld VOC monitor
- PID measures from 0-5,000 ppm
- 3 second response time
- Humidity compensation
- Built-in flashlight
- Rugged housing for harsh environments
- Simple maintenance

Applications:

- Environmental cleanups
- Remediation
- Leak detection

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:

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

Honeywell

Honeywell

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

BW GasAlert Quattro Personal Gas Monitor



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

Honeywell

Honeywell

AreaRAE Responder Multi Gas Monitor



Available for:

Rental & calibration

Overview:

- LEL, O₂, CO, H₂S, plus a PID
- Wireless communication range as far as two miles
- Works with any personal computer as the base station

Applications:

- HazMat and emergency response
- Refineries and petrochemical plants
- Power plants
- Pulp and paper industry
- Plant and mill turnarounds
- Marine and offshore wells

AreaRAE Steel Multi Gas Monitor



Available for:

Rental

Overview:

- Multi-Gas Monitor
- Sensors: O₂, LELs, PID, NO & NO₂
- Alarms: audible and visual
- Built-in sampling pump: yes
- Suitable for outdoor use: yes
- Battery life: up to 18 hours
- Data logging: yes

Applications:

- HazMat and emergency response
- Refineries and petrochemical plants
- Power plants
- Pulp and paper industry
- Plant and mill turnarounds
- Marine and offshore wells

Honeywell

Honeywell

AreaRAE Plus Multi Gas Monitor



Available for:

Purchase & calibration

Overview:

- Monitors up to seven threats, including VOCs, combustibles, toxics and oxygen
- Optional meteorological sensor for tracking toxic plumes
- 7R+ photoionization detector (PID) for monitoring VOCs at parts per million
- Designed for harsh environments

Applications:

- HazMat and emergency response
- Refineries and petrochemical plants
- Power plants
- Pulp and paper industry
- Plant and mill turnarounds
- Marine and offshore wells

Geotech GA5000 Landfill Gas Analyser



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

Honeywell

GEOTECH
by QED

Geotech GA5000 HR Landfill Gas Analyser



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

Inficon IRwin Methane Detector



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

INFICON

EcoTec TDL 500 Methane Detector



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

Testo 320 Emissions Analyser



Available for:

Purchase & calibration

Overview:

- Flue gas analyser
- Measures CO and CO₂
- Flue gas matrix screen: including boiler type and parameters
- Automatic zeroing of the sensor: 30 seconds after start-up

Applications:

Flue gas analysis on heating systems

Testo 330 Flue Gas Analyser



Available for:

Purchase & calibration

Overview:

- Independently tested to EN50379
- Meets the requirements of BS7967 and Gas Safe TB143
- Longlife sensors lasting up to 6 years
- Dilution to 30,000ppm CO
- Optional NO sensor upgrade

Applications:

- Flue analysis
- Oil, gas and solid fuel systems

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

Testo 340 Flue Gas Analyser



SICK Bernath 3006 Heated FID



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

Available for:

Rental

Overview:

- Hydrocarbon analyser
- Flame ionization detector (FID)
- Built-in temperature controller for heated sample line eliminates the need for an external regulator
- Internal air supply
- Measuring ranges from 1ppm to 100,000ppm

Applications:

- Emission control
- Process control
- Factory monitoring

PPM Technology Formaldemeter ntv-m kit



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



Jerome J405 Mercury Vapour Analyser



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 + data logging

Applications:

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



Jerome J605 Hydrogen Sulphide Monitor



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 + data logging

Applications:

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

GES Gas-Tec MK5 FID



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: $\pm 10\%$
- Detection speed: less than 2 seconds
- GPS tracking

Applications:

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



Noise

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



Casella CEL-6847 Environmental Noise Kit



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

Applications:

Environmental sound level assessments

Casella CEL-633C1 Sound Level Meter



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 CEL-620B2 Sound Level Meter



Available for:

Rental & purchase

Overview:

- Accuracy: Type 2
- Frequency bands: Octave and Broadband
- Total measurement range: 20 to 140dB RMS
- Standards: ISO9612 and OSHA 29CFR 1910.95
- Real-time data display + data logging
- Battery life: 11 hours (backlight on) or 20 hours (backlight off)

Applications:

- Occupational noise measurement
- Workplace noise according to ISO9612 and OSHA 29CFR 1910.95
- Selection of hearing protection
- Calculation of noise exposure

CASELLA 

CASELLA 

Casella dBadge2 IS Pro Dosimeter



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

TSI Quest SE-400 Sound Level Meter Series



See table for features of meters in 400 series



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

TSI Quest SE-400 series model options

	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

TSI Quest Edge 4+ Noise Dosimeter



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

Vibration

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



Svantek SV 258 PRO Vibration Monitor



Available for:

Rental, purchase & 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, aww
- 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 SV 106 HAV Monitor



Available for:

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 SV 100A WBV Dosimeter



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

Svantek SV 103 HAV Dosimeter



Available for:

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 SV 110 Vibration Calibrator



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



Vibroch V9000 Ground Vibration Monitor



Vibroch V901 Ground Vibration Monitor



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

Available for:

Rental

Overview:

- Impulse mode for blast monitoring
- Continuous mode for piling, rail and road traffic monitoring
- Triaxial geophone sensor
- Features: triggering from 0.1 mm/s
- Single range from 0.1 mm/s to 200 mm/s
- Auto record length from 2 to 18 seconds

Applications:

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



Land surveying

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



Trimble R12i GNSS System



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

Trimble R8s GNSS System



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

Leica NA2 Optical Level



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

Leica Sprinter 250m Digital Level



Available for:

Rental

Overview:

- Automatic height calculation and delta height
- Variety of levelling applications
- User-friendly menu
- Built-in memory for storing up to 1,000 points

Applications:

Advanced levelling on building and construction projects

Spectra GL422N Dual Grade Laser Level



Available for:

Rental

Overview:

- Simplifies level, grade and vertical alignment setups
- Increases reliability, accuracy and durability
- Easy to transport, easy to carry, easy to store
- Energy-efficient design offers long battery life
- Radio remote control allows operation of all laser functions from anywhere on the jobsite

Applications:

- Levelling concrete forms and footers
- General construction vertical alignment and plumb such as anchor bolt and form alignment
- Sports fields, tennis courts and driveways
- Grading and excavating
- Steep slope road embankments



Leica Piper 200 Pipe Laser



Available for:

Rental

Overview:

- The pipe laser fits inside a 100 mm/4" pipe
- With the housing rolled up to $\pm 3^\circ$, 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

Trimble X7 3D Scanning System



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



Trimble S5 5" Total Station with TSC7



Trimble Traverse Kit for S5 Total Station



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

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

Radiodetection RD8100 PTLG Locator



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 

 **Ashtead**
Technology

Soil



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



Niton XL2 980 GOLDD XRF Analyser



Available for:

Rental

Overview:

- 45 kV miniaturized x-ray tube
- USB and Bluetooth™ communications
- Fixed-angle, color, touch-screen display
- Geometrically optimised large area drift detector
- High-performance semiconductor detector

Applications:

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

Thermo Scientific Mini 900E Radiation Monitor



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

Freeland Scientific CompostManager



Available for:

Purchase & calibration

Overview:

- Analyses the composts temperature, moisture, O2 and CO2 levels simultaneously, using a single probe
- BAT (Best Available Techniques) for monitoring compost
- Provides PAS 100 report – verifies the compost is safe for resale

Applications:

- Compost management
- PAS 100 reporting



Ashtead
Technology



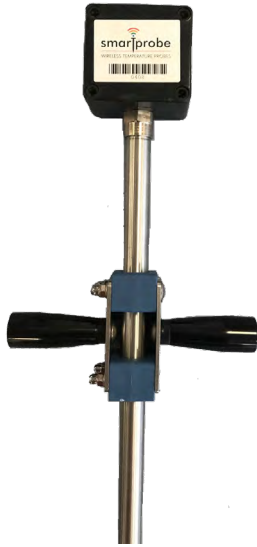
Temperature

testo 868

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



Freeland Scientific smarProbe



Available for:

Purchase & calibration

Overview:

- Wireless temperature probes
- Reports data back to a central gateway
- Alerts sent out via text / email
- Real-time monitoring data easily accessible via the portal
- Weekly reports can be easily generated to demonstrate compliance

Applications:

Compliance testing on waste stockpiles

TSI QUESTemp 36 Heat Stress Monitor



Available for:

Rental, purchase & calibration

Overview:

- Heat stress monitor
- Measures: temperature, relative humidity and Wet Bulb Global Temperature (WBGT) 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

Testo 868 Thermal Camera



Available for:

Purchase & calibration

Overview:

- Very good image quality: IR resolution of 160 x 120 pixels, via integrated testo SuperResolution Technology 320 x 240 pixels
- Large temperature range: from -30°C to +650°C
- Free testo Thermography App enables you to write and send reports on site

Applications:

- Detecting structural defects and ensuring building quality (also for images of the building shell)
- Carrying out detailed energy consultancy
- Easy checking of heating systems and installations



Testo 882 Thermal Camera



Available for:

Purchase & calibration

Overview:

- Easy, one-handed operation for quick and easy thermal imaging
- Premium image quality: thermal image resolution 320 x 240 pixels
- Precise measurements: thermal sensitivity < 50 mK, 32° lens, automatic hot/cold spot recognition

Applications:

- Checking as part of mechanical maintenance
- Reliable high temperature measurement



Testo 885 Thermal Camera



Testo 890 Thermal Camera



Available for:

Purchase

Overview:

- Infrared resolution 320 x 240 pixels; with optional SuperResolution Technology can be enhanced to 640 x 480 pixels
- Thermal sensitivity < 30 mK
- Flexibility thanks to its rotating handle and rotating, fold-out display

Applications:

- Checking as part of electrical maintenance
- Analysing building shells at a glance
- Providing comprehensive energy advice
- Making it possible to see critical temperatures on circuit boards precisely

Available for:

Purchase

Overview:

- Infrared resolution 640 x 480 pixels; with optional SuperResolution Technology can be enhanced to 1280 x 960 pixels
- Thermal sensitivity < 40 mK
- Flexibility thanks to rotatable handle and fold-out, rotatable display
- Special measurement mode for mouldrisk areas

Applications:

- Checking as part of electrical maintenance
- Analysis of power distribution systems
- Analysing building shells at a glance
- Providing comprehensive energy advice
- Making it possible to see critical temperatures on circuit boards precisely





Water

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

YSI Quatro Water Quality Meter



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



Geotech Oil/Water 100m Interface Meter



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

Eijkelkamp 12.25 Peristaltic Pump



Available for:

Rental

Overview:

- Integrated 4.5 hrs battery, no spaghetti of cables
- Electronic fuses, fully protected battery/pump
- Samples all wells with water tables < 9.5m
- Basic tool for all groundwater research
- Ideal to purge AND sample low volume wells
- Pumps 100 – 2300 ml/min

Applications:

- Monitoring well installation
- Water quality research
- Monitoring water quality
- Anaerobe sampling
- Water sampling
- Ground water sampling

Waterra PP1 PowerPack Inertial Pump



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

FAQs

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.

Can you ship to Europe?

Yes! Just contact us with the delivery address and we can confirm the services available.

Do you offer a collection service?

Yes! Just contact us on the day the collection is required and we will arrange it.

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 / application support?

Yes! Our dedicated technical team can provide equipment support and application advice.

Where can I see all of your equipment?

Please visit www.enviro.ashtead-technology.com to browse the full environmental, health & safety equipment 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