

WEATHER MONITORING

Hire rate
Per week
Per month

Competitive rates
available for long term
hire

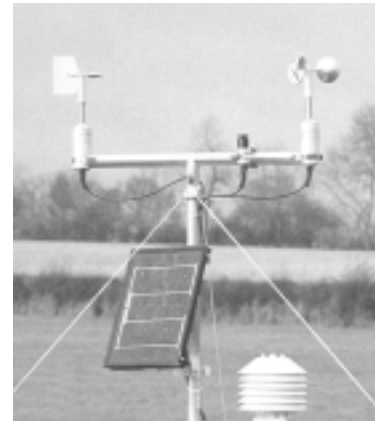
ELE Weather Sensors

Code
411 E

£215 pw
£646 pm

- Wide ranging expandable air monitoring system, particularly suitable for ambient air analysis
- Includes sensors for:
 - Wind speed
 - Wind direction
- Can be expanded to include:
 - Solarimeter
 - Air Temperature
 - Relative Humidity
 - Barometric Pressure
 - Raingauge
 - Soil Temperature

Includes data logger and download software
Logger inputs compatible with many external units
Further sensors available - consult our application specialists for more information or assistance
All supplied sensors mounted on an ~2m high steel frame



ANEMO Hand Held Anemometer

Code
412 A

£9 pw
£31 pm

Hand held anemometer for determining wind strength and speed
Peak hold button

Four scales: m/s, km/h, knots, Beaufort scale



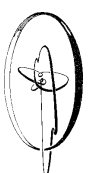
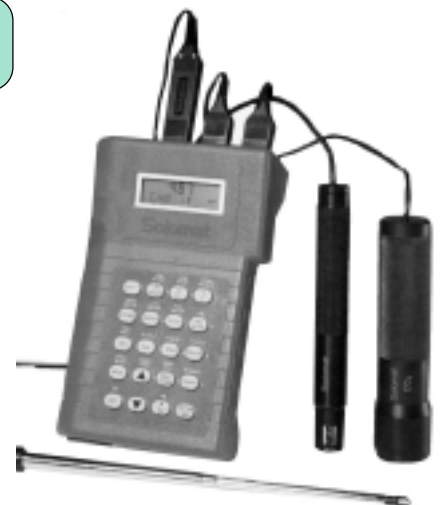
SOLOMAT MPM4100 Environmental Instrument

Code
413 C

£121 pw
£391 pm

Portable instrument for measuring and recording temperature, velocity, volume flow, relative humidity, CO, and CO₂ simultaneously
Permanent or semi-permanent recording
Stores up to 50,000 measurements

Flexible - alter the probe to suit your requirement: pressure, velocity, volume flow etc.
RS232 outputs for transferring data with CS6 software for analysis
Simple to operate



AIR POLLUTION

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GEOTECHNICAL INSTRUMENTS GA94 - Infra-Red Gas Analyser

Code
414 F

£217 pw
£652 pm

Certified for use in hazardous locations to Safety Classification EEx i6e IIB T5
Two models available: 0 - 5% or 0 - 100% CH₄ reading range
Measures concentration of landfill gases CH₄, CO₂ and O₂
Identity codes can be uploaded from a PC
Leachate level can be recorded
Measures and automatically corrects for changes in atmospheric pressure
Data can be downloaded to PC
Powerful integral pump
Data logging facility incorporated

Additional gases measured using plug-in Gas Pods - H₂S, CO, SO₂, NO₂, Cl₂, H₂ and HCN
CH₄ reading can be shown as % gas or % LEL
Measures gas or ambient air temperature with optional probe
Automatic recording of time and date with each stored reading
User calibration facility incorporated
Memory for up to 800 readings which can be scanned on site
Measures vacuum in gas extraction systems



TESTOTERM Testo 350 Flue Gas Optimiser (High Temp.)

Code
415 H

£311 pw
£933 pm

The Testo 350 is the first portable flue gas measuring instrument with an integrated velocity and humidity measuring system.

High specification NO cell
Large range on NO₂ and SO₂ cells
Combined NO and NO₂ reading expressed as NO_x

RS232C interface built-in
Integral data logging enabling storage of 500 blocks of data
Remote printer supplied



TESTOTERM Testo 350 Probe

Code
416 A

£35 pw
£110 pm

Comfort probe for flue gas measurements
Measurement of °C, O₂, CO, NO
Short-term measurement of NO₂, SO₂

Flue gas probe with high quality gas sampling hose 0600.852
Long term measurement of °C, O₂, CO, NO, NO₂, SO₂



TESTOTERM PC-Adapter and Software

Code
417 A

£32 pw
£96 pm

For downloading data from the Testo 350 into an IBM PC (or compatible)

3.5" format disks



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**HORIBA APMA-360
Ambient CO Monitor**

Code
418 J

£325 pw
£974 pm

Ranges 0-10, 20, 50 and 100 ppm
Lower detectable limit 0.05 ppm
Utilises cross flow modulated NDIR detector
Single analogue output
Requires calibration gas
Calibration gas and regulators available - please specify

ALSO AVAILABLE -
Ambient Hydrocarbon Monitor
Ambient SO₂ Monitor
Ambient NO_x Monitor



**SKC 224-PCXR7
Universal Sample Pump**

Code
419 B

£72 pw
£216 pm

Handles back pressures to 40" of water over most used flow ranges
For sorbent tubes or filters

Rechargeable plug in NiCad battery pack
Broad range: 1 to 5000 ml/min



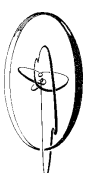
**DRÄGER
Sorbent Tube Hand Pump**

Code
420 A

£17 pw
£50 pm

For all Draeger short term tubes and sampling tubes
Select appropriate tube for the measurement required

Evaluation of the result in accordance with the Instructions for Use for the relevant tube



DUST MONITORING

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TEOM Series 1400a Ambient Particulate Monitor

Code
421

£ p.o.a.

Uses a patented tapered element oscillating microbalance to measure particulate concentrations continuously
Choice of sampling inlets allows easy configuration to measure PM-10, PM-2.5, PM-1.0 or TSP
Active volumetric flow control maintains a constant volumetric flow rate by incorporating ambient pressure and temperature sensors

Mass concentration data reported in micrograms per cubic meter at standard averaging times of 10 min, 30 min, 1, 8, and 24 hours
Exposed collection filters can be analyzed for heavy metals using standard laboratory techniques such as AA and ICP
Download to PC



EEL DUST DEPOSITION METER

Code
422 C

£72 pw
£231 pm

Uses microscope slides as dust collectors
Digital display provides readings which can be used to reflect the level of dust deposition or soiling of glossy surfaces

Voltage variations over the range 190-260 or 95-125 volts are accommodated
Compact and portable



CASELLA DIRECTIONAL MULTI-ELEMENT SAMPLER

Code
423 E

£154 pw
£462 pm

Heavy metal quantification
Emissions monitoring
Total dust quantification
PAHs and TOMPs

2 individual sampling heads
Easy to setup and use



DUST MONITORING

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CASELLA AFC 124 High Flow Personal Dust Sampling Pump

Code
424 B

£70pw
£212 pm

Adjustable flow range of 0.5 to 2.5 l/min
(flow meters supplied)
Lapsed time indicator
Requires filter papers, cassettes and grit
pots

Battery operated with low battery indicator
Up to 8 hours operation
Includes total and respirable dust kits



CASELLA AMS 950 Aerosol Monitoring System

Code
425 E

£213 pw
£641 pm

For the measurement of airborne particles
Dual range 0 to 20 and 0 to 200 mg/m³
Sensitivity ±0.01 mg/m³
Hand held, battery operated (up to 10 hours
operation)
Instantaneous readout on large 3.5 digital
display

Complete with 32kB 'Squirrel' data-logger
MS-DOS compatible software
Gravimetric Adapter for personal samples
RS232C via the data-logger
Analogue output



CED Pre- & Post-Weighed Filters

Code
426

£ p.o.a.

We are able to supply pre-weighed filters, which can be post-weighed, with a tabulated set of
results forwarded
Additionally the filters can be analysed for reflectance, and microscopic analysis of the
particulates via optical or electron microscopy techniques



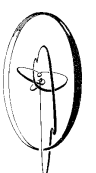
EXPOSED 8 HOURS



EXPOSED 1 HOUR



CONTROL



EFFLUENT & WATER

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**YSI
550 Dissolved Oxygen Instrument**

Code
427 C

**£83 pw
£248 pm**

Waterproof to IP67 specifications
Field replaceable DO electrode modules
Screw-on cap membranes
Over 2000 hours battery life
Calibrate in either mg/L or % saturation
User-selectable temperature units (°C or °F)

One-hand operation
Backlit display
Direct salinity and altitude compensation
Dissolved oxygen readings are automatically compensated for temperature



**YSI
6920 Multi-Parameter Water Quality Instrument**

Code
428 I

**£303 pw
£911 pm**

Designed for long-term monitoring and logging
Simultaneous measurement of:
- NH₄ Ammonium
- Turbidity
- Dissolved O₂
- Conductivity
- Temperature
- pH

EcoWatch for Windows™ software enables output to PC
YSI 650 MDS data-logger and display unit capable of storing 150 data sets



**CED
Sample collection and analysis**

Code
429

£ p.o.a

We can attend site, take water samples, and undertake analysis for a suite of contaminants



MOBILE LAB

Competitive rates
available for long term
hire

AVAILABLE DETECTORS

Hire rates subject to configuration of Mobile Lab

Gas	Formula	Min. Meas. Range (ppm) From 0 to ...	Max. Meas. Range (ppm) From 0 to ...
Hydrogen Sulphide	H_2S	20 5	1000 250
Sulphur Dioxide	SO_2	10 3	500 100
Chlorine	Cl_2	3	100
Nitrogen Monoxide	NO	10	1000
Nitrogen Dioxide	NO_2	3	500
Hydrogen Chloride	HCl	5	100
Hydrogen	H_2	50	2000
Carbon Monoxide	CO	20	2000
Hydrogen Cyanide	HCN	10	200
Ammonia	NH_3	10	100
Methane	CH_4	2 %	
Oxygen	O_2	2 %	30 %

