



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

This wishlist was generated on 24/10/2017, and contains the following Products:

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430-020

**Digital pH/Temp/mV Meter with electrode, carrying case and pH 4 & 7 buffers**

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78-5447/01

**Electronic Balance - 3600g x 0.01g**

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560-020

**Protimeter Grainmaster Moisture Meter with 15 Pre-Programmed Crop Calibrations.**

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513-024

**Complete Soil Analysis Test Kit. Photometer Ph and Conductivity Meters and Reagents for 50 Tests**

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47-0202

**Digital Asphalt Thermometer**

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47-0202/11

**535 Asphalt Probe**

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422-569

**Sterile Plastic Petri Dishes. Pack of 200.**

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470-045

**Chlorophyll Content Meter for Plants and Crops. Supplied with Battery Rs232 Cable and Software.**

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83-4170/01

**Muffle Furnace**

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24-4640

**Soil Hydrometer Type 152H ASTM/Aashto Graduated -5 to + 60G/Litre.**

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548-550/01

**Laminar Flow Cabinet 220-240V 50Hz 1Ph.**

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78-1250/01

**225 Litre Drying Oven**

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525-210/01

**Laboratory Ph Meter with Ph Electrode Swing Arm Temp Probe Manual and Buffer Capsules.**

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24-4125/01

**High Speed Stirrer Complete with Paddle Cup & Baffle. 220-240V 50/60Hz 1Ph.**

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82-5246

**Portable Thermometer -20 - +60°C**

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82-5248

**Portable Thermometer 0 - +250°C**

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88-4340

**Digital Stopwatch**

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420-450

**Filtration Unit AI Construction Complete with Sampling Cup.**

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## Digital pH/Temp/mV Meter with electrode, carrying case and pH 4 & 7 buffers

Code: **430-020**

Product Group: **Paqualab Test Meters**

Robust waterproof case offering IP66/67 protection

Manual/automatic temperature compensation

Easy to use re-calibration function

The 430-020 pH meter is a three-in-one instrument that features a large easy to read, LCD display that indicates pH over the range of -2 to 16 pH with a resolution of 0.01 pH, mV over the range of -1000 to 1000 mV and temperature over the range of -39.9 to 149.9°C with a resolution of 0.1°C. The LCD display features both low battery indication and a user selectable backlight.

The pH readings are either manually or automatically temperature compensated over the range of 0 to 100°C. To automatically compensate, it is necessary to utilise a thermistor temperature probe. Each unit incorporates an auto-power off facility that automatically turns the instrument off after ten minutes, maximising battery life.

The 430-020 has an integrated rubber seal to ensure complete water resistance and helps to reduce the possibility of damage in harsh environments. At the touch of a button, the instrument will automatically re-calibrate (two-point autocal) itself when used in conjunction with pH buffer solutions.

Each unit incorporates an easy to use BNC connector and Lumberg screw-locking type connector.

## Further Information

### Specification

Range	Resolution	Accuracy
-2 to 16 pH	0.01 pH	± 0.02 pH
± 1000 mV	1 mV	± 1 mV
-39.9 to 149.9 °C	0.1 °C	± 0.4 °C (-10 to 70 °C)
Battery	3 x 1.5 volt AAA	
Battery Life	Maximum 5 years (2500 hours)	
Sensor Type	Combination electrode/ thermistor	
Display	12 mm LCD	
Dimensions	32 x 71 x 141mm	

Weight

230 grams

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## Spares/Consumables



**Spare pH electrode for use with 430-020 meter**

Code: [430-020/10](#)



## Electronic Balance - 3600g x 0.01g

Code: [78-5447/01](#)

Product Group: [Electronic Balances](#)

## Further Information

**\*\*Not available for sale in the USA\*\***

## Specification

Capacity resolution	3600 g x 0.01 g
Pan size	160 x 160 mm
Mains and battery	No
Dimensions (l x w x h)	260 x 170 x 90 mm
Weight	6 kg
Weighing units	g, kg, ct, GN, N, lb, oz, lb:oz, ozt, dwt, T, custom unit
Readability	0.1 g



## Protimeter Grainmaster Moisture Meter with 15 Pre-Programmed Crop Calibrations.

Code: 560-020

Product Group: Moisture meters

- Microprocessor controlled.
- Automatic temperature compensation.
- Instant LCD readings for many crops.
- Temperature measurement facilities.

A completely portable unit suited to in-store or field use. Incorporates instant digital-readout of moisture content and automatic temperature compensation for rapid and accurate moisture determinations.

The simple 4 stage operation takes less than a minute per sample:

- Insert the program key for the crop to be tested.
- Place grinder over sample cell and grind sample.
- Compress the sample.
- Press "ON" switch and read moisture content.

The unit is battery powered and can be used with a wide variety of crops using interchangeable program keys for direct readings. In addition, by using the probe accessory the meter may also be used to measure the temperature of stored grain, thus enabling the principle grain quality and storage checks to be carried out with one instrument.

### Further Information

Supplied with sip-top pouch, compressor, hand grider, quick check standard, high check standard, storage case for program keys, calibration chart and prgram keys for ground samples of wheat and barley to ISO standard.

Requires one PP3 battery - not included. Supplied with sip-top pouch, compressor, hand grider, quick check standard, high check standard, storage case for program keys, calibration chart and prgram keys for ground samples of wheat and barley to ISO standard.

Requires one PP3 battery - not included. Supplied with sip-top pouch, compressor, hand grider, quick check standard, high check standard, storage case for program keys, calibration chart and prgram keys for ground samples of wheat and barley to ISO standard.

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Requires one PP3 battery - not included. Supplied with sip-top pouch, compressor, hand grider, quick check standard, high check standard, storage case for program keys, calibration chart and prgram keys for ground samples of wheat and barley to ISO standard.

Requires one PP3 battery - not included.



## Accessories



**Fast Response Temperature Probe 1m Length. for Use with 560-020.**

Code: [560-022](#)





## Complete Soil Analysis Test Kit. Photometer Ph and Conductivity Meters and Reagents for 50 Tests

Code: [513-024](#)

Product Group: [Soil test kits](#)

A complete soils analysis kit:

- pH
- lime requirement
- nitrate nitrogen
- phosphate
- potassium
- conductivity
- calcium
- magnesium
- aluminium
- ammonia
- copper
- chloride
- iron
- manganese
- sulphate

### Further Information

Reagents 50 Tests of each parameter. Includes soil scoop, de-ion pack, Pocket TDS Meter, SoilTest 10 Instrument and Pocket pH Meter.

The kit is ideal where highly accurate measurement of soil pH is required or where the measurement of conductivity for salt content is an important factor in agricultural management.

The pH and conductivity meters included in the kit are each supplied in a soft carrying pouch.



## Digital Asphalt Thermometer

Code: [47-0202](#)

Product Group: [Digital Asphalt Thermometer](#)

Comprises a hand-held digital thermometer with an operating range of -99 to +1372 °C with a switchable resolution between 0.1 and 1.0 °C. Operates on a 9V battery and utilises K-type thermocouple sensors.

## Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***

## Specification

Range	-50 to 1000°C
Resolution	Switchable 0.1 or 1.0°C
Weight	300 g

## Accessories



### 250 Asphalt Probe

Code: [47-0202/10](#)



## Breaking Head (Marshall)

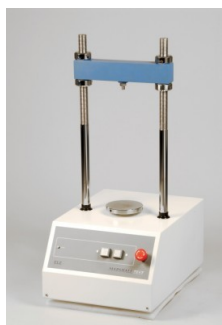
Code: 45-6850



## Vibrating Hammer

Code: 47-0455/01

## Alternatives



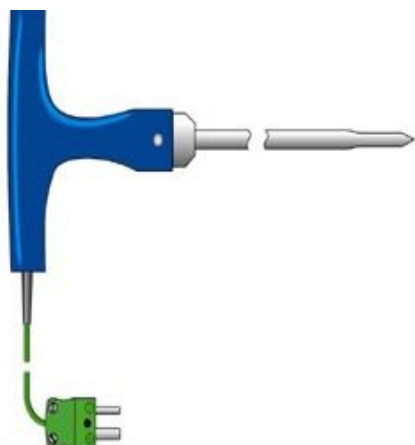
## Marshall Test 50

Code: 45-6810/01



## Marshall Test 50

Code: 45-6810/06



## 535 Asphalt Probe

Code: [47-0202/11](#)

Product Group: [Digital Asphalt Thermometer](#)

Has a heavy-duty and reinforced needle probe. It is built with a t-shaped polyethylene handle and has a maximum tip temperature of 250°C and a 500 mm long probe.

## Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***

## Specification

Max Reading	250°C
Length of probe	500 mm
Tip diameter (needle point)	6 mm



## Sterile Plastic Petri Dishes. Pack of 200.

Code: [422-569](#)

Product Group: [Microbiological starter packs and consumables](#)

Pack of 200.



## Chlorophyll Content Meter for Plants and Crops. Supplied with Battery Rs232 Cable and Software.

Code: [470-045](#)

Product Group: [Plant physiology](#)



## Muffle Furnace

Code: 83-4170/01

Product Group: Furnaces, Loss-on-Ignition,  
Loss-on-Ignition

The unique design of oven door for safe and easy operation to ensure that the high-temperature hot gas will not escape from inside the oven.

Inert gas inlet and outlet reserved in the chamber.

Micro-computer PID controller: easy operation, accurate, reliable and safe control.

Inside lining of fire-door and box panel are both made of stainless steel materials and are corrosion-resistance and free deformation under high temperature.

Light chamber for durable service (refractory-brick chamber and ceramic-fiber chamber are optional).

With excellent door seal, thermal loss is minimised and temperature evenness is increased in the chamber.

## Standards

EN 196-2, EN 459-2, EN 13454-2, BS 1016-4, ISO 344, ISO 1171, ASTM D2361, ASTM D2795, ASTM D3714

## Specification

Work chamber dimensions (l x w x h)	300 x 200 x 120 mm
Capacity	7 litres
Maximum temperature	1200 °C
Electrical supply	220 – 240 V AC, 50 - 60 Hz, 1 ph
Power supply	5000 KW
Weight	130 kg

## Spares/Consumables





## Controller, for use in 83-4170/01

Code: [83-4170/11](#)

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## Element heating for use in 83-4170

Code: [83-4170/14](#)

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## Element/Chamber complete, heating, for use in 83-4170/01

Code: [83-4170/12](#)

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## Refractory brick for 83-4170/01

Code: [83-4170/13](#)

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## Thermostat, KGrade, 370 long, dia 2.5, for 83-4170/01

Code: [83-4170/10](#)

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## Alternatives



## Heat of Hydration Apparatus

Code: 38-4600/06

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## Heat of Hydration Apparatus

Code: 38-4600/01

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## Rotatest 1500

Code: 45-3810/01

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## Rotatest 3000

Code: 45-3815/01



## Soil Hydrometer Type 152H ASTM/Aashto Graduated -5 to + 60G/Litre.

Code: [24-4640](#)

Product Group: [ASTM Soil Hydrometers, Soil Hydrometers](#)

Graduated -5 to +60 g/litre.

## Standards

BS 1377, EN 1997-2, ASTM D422, ASTM E100, AASHTO T88

## Specification

Construction	Molded, seamless.
Scale	Bouyoucos; double scale.
Calibration	At 68°F.
Weight	Net 4 oz. (113 g).

## Alternatives



## Soil Hydrometer BS EN DD ENV graduated 0.995 to 1.030 g/ml

Code: [24-4620](#)



## Soil Hydrometer Type 151H ASTM D422 Graduated 0.995 to 1.038 Specific Gravity.

Code: [24-4650](#)



## Laminar Flow Cabinet 220-240V 50Hz 1Ph.

Code: [548-550/01](#)

Product Group: [Micropropagation](#)

Contaminant-free, non-turbulent air is essential for sterile inoculation of media during techniques such as tissue culture and micropropagation. Laminar flow cabinets force sterile air over the work surface and minimise the risk of external contamination and cross-contamination between two samples.

The unit offered is smartly finished in white laminate and anodised alloy. It is self-contained and requires no external ducting. The variable speed fan is exceptionally quiet and reliable. The fan draws air first through a pre-filter and then through a secondary high efficiency particulate air (HEPA) filter. The sterile air is blown onto the work surface via ducts ensuring minimum turbulence.

The cabinet has a clear air flow meter and filter clog indicator and the work surface is well lit to 1000 Lux by internal lights.

### Further Information

For 220-240 V, 50 Hz, 1 ph.



## 225 Litre Drying Oven

Code: [78-1250/01](#)

Product Group: [Percentage Refusal Density \(PRD\)](#),  
[Oven Drying Method](#), [Oven Drying Method](#), [Oven Drying Method](#)

## Standards

EN 12697-32, EN 13280-4, BS 598-104, BS 1377

## Specification

Capacity	225 litres
External Dimensions (l x w x h)	540 x 1040 x 940
Internal Dimensions (l x w x h)	440 x 920 x 600
Fluctuation	± 0.75°C
Rated power heater elements	2000 W
Shelves supplied	3
Shelf positions	4
Weight	80 kg

## Alternatives



## 100 Litre Drying Oven

Code: [78-1225/01](#)



## 150 Litre Drying Oven

Code: [78-1235/01](#)



## 425 Litre Drying Oven

Code: [78-0135/01](#)

## Product Sheet

[www.ele.com](http://www.ele.com)  
+44 (0) 01525 249 200



### 50 Litre Drying Oven

Code: [78-1215/01](#)



## Laboratory Ph Meter with Ph Electrode Swing Arm Temp Probe Manual and Buffer Capsules.

Code: [525-210/01](#)

Product Group: [General laboratory instrumentation](#)

## Spares/Consumables



### Spare Ph Probe for Lab Ph and Ion Meters.

Code: [525-210/10](#)





## High Speed Stirrer Complete with Paddle Cup & Baffle. 220-240V 50/60Hz 1Ph.

Code: [24-4125/01](#)

Product Group: [Mechanical Analysis Stirrer](#)

Compact bench top stirrer used for dispersing soil samples in water. Supplied complete with mixing paddle and dispersion cup with baffle. Beaker position maintained by column retainer.

## Standards

BS 1377, ASTM D422, AASHTO T88

## Accessories



### Sodium Hexametaphosphate 500G.

Code: [24-4145](#)

## Spares/Consumables



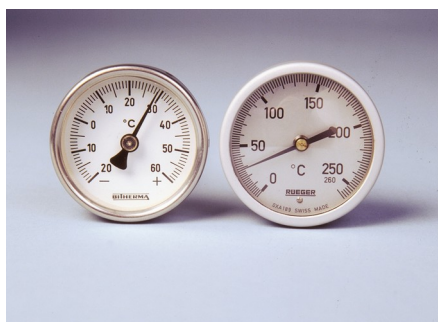
### Mixing Paddle for 24-4125 Series High Speed Stirrer

Code: [24-4125/10](#)



### Soil Dispersion Cup & Baffle.

Code: [24-4125/11](#)



## Portable Thermometer -20 - +60°C

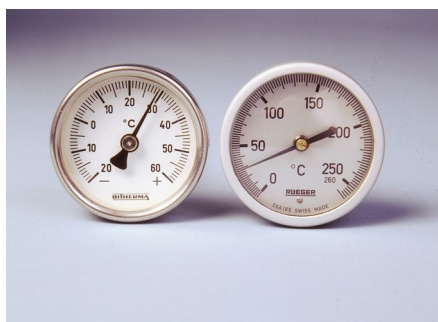
Code: [82-5246](#)

Product Group: [Portable Dial-type Thermometers](#)

50 mm diameter dial with a 200 mm long stem and protective sheath.

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## Portable Thermometer 0 - +250°C

Code: [82-5248](#)

Product Group: [Portable Dial-type Thermometers](#)

Complies with BS 598 for temperature measurement of bituminous mixes prior to and during laying. Graduated in 2°C divisions with a stem length of 300 mm and accurate to  $\pm 2^\circ\text{C}$ .

## Further Information

**\*\*NOT AVAILABLE FOR SALE IN THE USA\*\***



## Digital Stopwatch

Code: [88-4340](#)

Product Group: [Digital Stopwatch](#), [Bitumen Penetration Test](#)

## Specification

Operation

Start-stop and lap split-reset push-buttons.

Time Range

Display up to 9 hours, 59 minutes, 59.99 seconds in 0.01 second increments.

Weight

4 oz. (227 g).



## Filtration Unit AI Construction Complete with Sampling Cup.

Code: [420-450](#)

Product Group: [Paqualab Portable Incubators & Filtration Unit](#)

- Anodised Aluminium Membrane Filtration Unit.
- Light compact and field sterilisable.
- Fits together for storage into a size 120 mm high x 80 mm diameter.
- Supplied with sampling cup and nylon cord.
- Filtration unit graduated with 50 ml and 100 ml levels.
- Supplied with hand-operated suction pump.

## Spares/Consumables



### Spare Parts Kit for Filtration Unit.

Code: [420-451](#)

## Alternatives



### Spare Parts Kit for Filtration Unit.

Code: [420-451](#)