



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

This wishlist was generated on 15/10/2019, and contains the following Products:

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23-1525

**50mm Dia Dutch Soil Auger Head.**

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23-1541

**Extension Rod 27mm Diameter 1m Long. for Use with Auger Heads**

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23-1547

**Handle and T Piece for Use with EL23-1541.**

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23-1577

**38mm Diameter Sample Tube 230mm Long Complete with End Caps.**

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23-4090

**38mm Hand Operated Hydraulic Sample Extruder with Trimming Knife 38mm Split Former & Cutting Tool.**

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23-6191/01

**Bench-Mounting Mixer 5 Litre Capacity Complete with Bowl Beater and Whisk. 220-240V 50Hz 1Ph.**

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23-7150

**Soil Colour Chart Set**

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24-4640

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

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24-4650

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

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29-3729

**Pocket Penetrometer.**

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29-5300

**Core Cutter 100mm Id By 130mm Long.**

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29-5320

**Driving Dolly for EL 29-5300**

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29-5340

**Driving Rammer for EL 29-5320**

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430-020

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

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430-020/10

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

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430-260

**Turbidity Meter. Range 0-1000 FTU. Supplied with Carrying Case, Batteries and Calibration Solutions**

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430-550

**Paqualab photometer**

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433-098

**Alkalinity Reagent System 0-500Mg/Litre. Sufficient for 50 Tests.**

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433-115

**Chlorine Reagent System Free Combined and Total 0 - 5.0Mg/Litre Sufficient for 50 Tests**

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433-120

**Chromium Vi Reagent System 0-1.0Mg/Litre. Sufficient for 50 Tests.**

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433-130

**Copper Reagent System Total Free and Chelated 0-5.0Mg/Litre. Sufficient for 50 Tests.**

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433-136/10

**Dissolved Oxygen Reagent Pack. Sufficient for 30 Tests.**

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433-138

**Fluoride Reagent System 0-1.5Mg/Litre. Sufficient for 50 Tests.**

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433-139

**Total Hardness Reagent System 0-500Mg/Litre. Sufficient for 50 Tests.**

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433-154

**Magnesium Reagent System 0-100Mg/Litre. Sufficient for 50 Tests.**

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433-156

**Manganese Reagent System 0-0.03Mg/L. Sufficient for 50 Tests.**

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433-166/10

**Nitrate Reagent Pack. Sufficient for 200 Tests.**

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433-189

**Potassium Reagent System 0-12Mg/Litre. Sufficient for 50 Tests.**

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433-192

**Sulphate Reagent System 0-200Mg/Litre. Sufficient for 50 Tests.**

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433-198

**Zinc Reagent System 0-4.0Mg/Litre. Sufficient for 50 Tests.**

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450-013

**Water level indicator (dipmeter) with audio and light indicator 200 m**

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450-015

**Water level indicator (dipmeter) with audio and light indicator 300 m**

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46-4825/01

**Electrical Hotplate with Integral Magnetic Stirrer**

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485-031/01

**Uv/Vis Spectrophotometer with 100 Plastic Cuvettes 10X10mm Cell Holder  
Instructions & Mains Lead**

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500-114

**GPS system, hand-held**

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500-118

**Land measurer**

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500-162

**Nylon-coated steel tape**

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509-105

**Automatic Weather Station**

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513-016

**Soil Analysis Test Kit for Major Nutrients**

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513-160

**Conductivity/Temp/TDS Meter with Electrode and Carrying Case**

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514-022

**Dial-Type Gauge Tensiometer 600 mm**

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514-030

## Insertion Tool

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514-034

### Service Kit

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78-1225/01

### 100 Litre Drying Oven

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78-5600

### Electronic Balance, capacity 6kg. Readability: 0.1g.

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79-0010

### 200 mm Diameter Lid

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79-0020

### 200 mm Diameter Receiver

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79-0070

### 200mm Dia BS Sieve 63 Mic Stainless Steel Mesh.

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79-0080

### 200mm Dia BS Sieve 75 Mic Stainless Steel Mesh.

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79-0120

### 200mm Dia BS Sieve 150 Mic Stainless Steel Mesh.

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79-0140

### 200mm Dia BS Sieve 212Mic Stainless Steel Mesh.

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79-0160

### 200mm Dia BS Sieve 300Mic Stainless Steel Mesh.

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79-0180

### 200mm Dia BS Sieve 425Mic Stainless Steel Mesh.

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79-0200

### 200mm Dia BS Sieve 600Mic Stainless Steel Mesh.

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79-0240

### 200mm Dia BS Sieve 1.18mm Stainless Steel Mesh.

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79-0270

### 200mm Dia BS Sieve 2.00mm Stainless Steel Mesh.

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79-2010

**300mm Dia Lid.**

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79-2020

**300mm Dia Receiver.**

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79-2280

**300mm Dia BS Sieve 2.36mm Stainless Steel Mesh.**

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79-2300

**300mm Dia BS Sieve 3.35mm Stainless Steel Mesh.**

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79-2515

**300mm Dia BS Sieve 5.00mm Perforated Plate.**

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79-2525

**300mm Dia BS Sieve 6.30mm Perforated Plate.**

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79-2555

**300mm Dia BS Sieve 10.0mm Perforated Plate.**

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79-2575

**300mm Dia BS Sieve 14.0mm Perforated Plate.**

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79-2595

**300mm Dia BS Sieve 20.0mm Perforated Plate.**

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79-2615

**300mm Dia BS Sieve 28.0mm Perforated Plate.**

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79-2640

**300mm Dia BS Sieve 37.5mm Perforated Plate.**

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79-2655

**300mm Dia BS Sieve 50.0mm Perforated Plate.**

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79-2670

**300mm Dia BS Sieve 63.0mm Perforated Plate.**

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79-2680

**300mm Dia BS Sieve 75.0mm Perforated Plate.**

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79-7200

**Sieve Brush Brass and Nylon**

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81-0521

**Stopwatch**

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81-3000

**Sample Container - Tinned Steel 0.5 litres**

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## 50mm Dia Dutch Soil Auger Head.

Code: [23-1525](#)

Product Group: [Soil and Gravel Auger Heads](#)

Constructed of heavy-duty steel plates; partly interlocked at the cutting end and suitable for fine, silty sand.





## Extension Rod 27mm Diameter 1m Long. for Use with Auger Heads

Code: [23-1541](#)

Product Group: [Extension Rods, Handles and Tools](#)

With tube connector, constructed of steel tubing  
approximately 1 metre long.



## Handle and T Piece for Use with EL23-1541.

Code: [23-1547](#)

Product Group: [Extension Rods, Handles and Tools](#)



## 38mm Diameter Sample Tube 230mm Long Complete with End Caps.

Code: [23-1577](#)

Product Group: [Extension Rods, Handles and Tools](#)

Supplied without Adaptor, but with two end caps



## 38mm Hand Operated Hydraulic Sample Extruder with Trimming Knife 38mm Split Former & Cutting Tool.

Code: [23-4090](#)

Product Group: [Soil Extruders](#)

This Sample Extruder comprises a vertically mounted lever action hydraulic jack, with the body extended to form a chamber which accommodates a 38 mm diameter sample tube. Supplied complete with trimming knife, 38 mm split former and wire saw.

## Standards

BS 1377-1



## Bench-Mounting Mixer 5 Litre Capacity Complete with Bowl Beater and Whisk. 220-240V 50Hz 1Ph.

Code: [23-6191/01](#)

Product Group: [Sample Mixers](#), [Mixing](#), [Sample Mixers](#)

The mixer has two electrically switched mixing speeds which obviates the need to switch off during speed selection. The mixing head comprises a beater which contra-rotates about a central shaft using planetary gearing. A lever-acting lifting device facilitates the insertion and removal of the bowl. This mixer is suitable for the mixing of soil samples, mortar, bituminous mixtures and associated materials where comparatively small samples are being prepared. Supplied with stainless steel bowl, beater and whisk.

## Standards

BS 598-107, BS 1377-1, BS 1924-1, EN 12697-35

## Further Information

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

## Specification

Dimensions	545 x 380 x 550 mm
Beater Speeds (rpm) low, intermediate, high	136, 281, 580
Central shaft speeds (rpm) low, high	60, 124, 255
Rated power	500 W
Weight	24 kg



## Soil Colour Chart Set

Code: **23-7150**

Product Group: **Soil Color Charts, Soil Colour Charts**

The Munsell Soil Colour Charts is an affordable way to evaluate the type of soil that is present within a given area. The book is set up to allow users to make soil Colour evaluations in the field quickly and easily. The soil classification system that has been developed around the Munsell Colour system is an established and accepted process to assign a soil type. This classification system has been used in the United States for more than 55 years to aid in the management and stewardship of natural resources. Through the use of the Munsell Soil Colour Charts, practitioners from a wide range of professions can share reliable and consistent information about the Colour of soils at a particular site with colleagues anywhere around the world. The Munsell Soil Colour Charts are used by a variety of industries and professions such as universities and high schools, forestry, forensics, environmental and soil science, building and contracting, landscaping, real estate, health departments, geology and archaeology.

## Further Information

The following pages are included in the Munsell Soil Color Charts:

- Munsell 10R Soil Chart
- Munsell 10YR Soil Chart
- Munsell 2.5Y Soil Chart
- Munsell 2.5YR Soil Chart
- Munsell 5Y Soil Chart
- Munsell 5YR Soil Chart
- Munsell 7.5YR Soil
- 10Y - 5GY Colours - Olive greens Soil Chart
- Gley 1 & 2 (2 - Separate Charts) Soil Charts
- Munsell 5R Individual Soil Chart
- Munsell 7.5R Individual Soil Chart
- "New" White Page, 7.5R, 10YR, & 2.5Y

## Specification

Munsell Book of Soil Colour Charts

Durable binder contains 440 Munsell Colour Standards

- Featuring ISCC-NBS Colour names
- Munsell alpha-numeric notation

Colour produced on water resistant substrate

Features Munsell notations for each color providing:

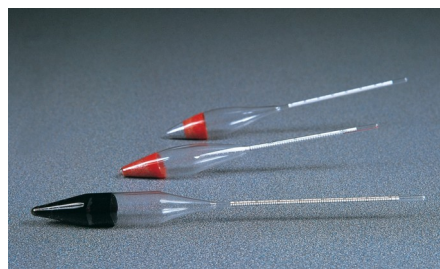
- Value (degree of lightness)
- Hue (Colour)
- Chroma (degree of saturation)

Used with medium, fine-grained, and coarse-grained rocks

Pages are cleanable and can be exposed to standard environmental conditions in the field

Dimensions

- Binder Size 150 mm x 196 mm x 25 mm
- Page Size 111 mm x 184 mm
- Weight 0.9 kg



## 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).





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

Code: [24-4650](#)

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

Graduated 0.995 to 1.038 g/ml.

## Standards

ASTM D422, ASTM E100, AASHTO T88

## Specification

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



## Pocket Penetrometer.

Code: 29-3729

Product Group: [In-situ Testing](#), [Pocket Penetrometer](#), [Plate Bearing Apparatus](#)

- Direct-reading scale in tons/sq. ft. and kg/sq. cm.
- Ground and polished stainless steel loading piston.
- Calibrated spring and penetrometer body plated for rust resistance and long life.
- Convenient belt-loop style carrying case.
- Optional Adapter Foot for testing very soft materials.

The Pocket Penetrometer was originally developed for use by field personnel in checking visual classification of soils. Data was compiled on several thousand unconfined compressive strength tests of silty clays and clayey soils against the penetrometer readings to develop the scale.

## Further Information

**IMPORTANT:** the readings obtained from the pocket penetrometer do not replace laboratory test results due to the fact that a small area penetration test is inherently liable to give misleading results. The instrument should not be used for obtaining foundation design data.

## Specification

Range	0.25 to 4.5 tons/sq. ft. (kg/sq. cm).
Scale Divisions	0.25 tons/sq. ft. (kg/sq. cm).
Load Piston	1/4" (6 mm) diam.; stainless steel.
Carrying Case	Canvas; belt-loop style.
Dimensions	3/4" diam. x 6-3/8" l. (19 x 162 mm).
Weight	Net 7 oz. (198 g).



## Core Cutter 100mm Id By 130mm Long.

Code: [29-5300](#)

Product Group: [Core Cutter Apparatus](#)

## Standards

BS 1377



## Driving Dolly for EL 29-5300

Code: [29-5320](#)

Product Group: [Core Cutter Apparatus](#)

## Standards

BS 1377



## Driving Rammer for EL 29-5320

Code: [29-5340](#)

Product Group: [Core Cutter Apparatus](#)

## Standards

BS 1377



## 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	

# Product Sheet

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



Weight

230 grams



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

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

Product Group: [Paqualab Test Meters](#)

General purpose, epoxy bodied electrode with gel fill solution (max. temp. 60 deg. C.)





## **Turbidity Meter. Range 0-1000 FTU. Supplied with Carrying Case, Batteries and Calibration Solutions**

Code: **430-260**

Product Group: **Paqualab Test Meters**

- Easy to use.
- High range.
- Calibration data storage facility.
- Results displayed as FTU.
- Water resistant.

Suitable for testing either natural and treated water, or waste water and effluents.

This portable microprocessor-based turbidity meter provides lab-grade accuracy even in the field. With 4 keys and weighing only 510 grams, the meter measures turbidity from 0 to 1000 FTU (NTU). For best field accuracy, it measures from 0 to 50 FTU in steps of 1/100th of FTU.

Unlike standard lamps, the infrared LED has a long life. More significantly, it maintains constant emission for the entire life of the instrument. The wavelength peaks at 890nm, which provides the required intensity of diffused light even in samples with low turbidity values, and also reduces the interference from any colours.

The meter is very easy to use. All operations can be carried out with only four keys and troubleshooting functions can be performed with error code on LCD. Moreover, the meter's versatility and durability ensure low maintenance.

The meter can store and retrieve the last calibration data. At the touch of a key, the last calibration data together with time and date are displayed allowing the user to maintain an accurate calibration schedule. auto shutoff turns the meter off after 5 minutes of non-use to save batteries.

The turbidity meter comes supplied with 2 cuvettes, tissues, cleaning solution and calibration solutions for 0 and 10 FTU.

## **Specification**

Range	0.00 to 50.00 FTU; 50 - 1000 FTU.
Resolution	0.01 FTU (0.00 to 50.00 FTU); 1 FTU (50-1000 FTU).
Accuracy	± 0.5 FTU or ± 5% of reading (whichever is greater).

## Product Sheet

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



Battery life	60 hours or 900 measurements. Automatic shut-off after 5 minutes of non-use. (4 x 1.5 VAA batteries).
Weight	510g (including case and calibration solutions).
Dimensions	220 x 82 x 66 mm.



## Paqualab photometer

Code: 430-550

Product Group: Paqualab Test Meters

Lightweight and portable for laboratory or field use.

Accurate results using tablet reagents which have a long shelf-life.

Over 40 different water tests available for use with the photometer.

Ideal for use with ELE's Paqualab systems.

This Paqualab photometer is simple to use, robust in construction and designed for on-site analysis. The photometer provides dependable results to enable decisions on water quality to be made instantly and with confidence.

Simple operation with automatic set-up for each test. Designed for reagent systems in tablet form.

Rapid access to frequently used tests from a choice of over 100 parameters/methods.

With dilution tube, 8 glass cuvettes, operating instructions and hard carrying case.

## Further Information

Test reagent tablets are not supplied. Available separately under Photometer Reagents.

## Specification

Instrument type	Dual light source photometer offering direct-reading of pre-programmed test calibrations, absorbance and transmittance
Wavelengths	450 nm, 500 nm, 550 nm, 570 nm, 600 nm, 650 nm
Accuracy	± 1.0% T
Display	320 x 240 pixel LCD with backlight and contrast adjustment
User interface	On-screen prompts available in English, French, Spanish, German, Italian, Turkish and Mandarin (Chinese)
Dimensions (w x l x h)	150 x 250 x 70 mm
Weight	975g
IP rating	IP67

# Product Sheet

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



Power supply

3x 1.5V AA batteries (typically  
40 hours)

Test cuvettes

Automatic centring for  
cylindrical cuvettes from 13 to  
20 mm OD



## Alkalinity Reagent System 0-500Mg/Litre. Sufficient for 50 Tests.

Code: [433-098](#)

Product Group: [Photometer Reagents](#)

Natural and treated waters contain a variety of dissolved alkaline substances (e.g bicarbonate).

### Specification

Measurement Range

0-500 mg/l CaCO<sub>3</sub>



## Chlorine Reagent System Free Combined and Total 0 - 5.0Mg/Litre Sufficient for 50 Tests

Code: [433-115](#)

Product Group: [Photometer Reagents](#)

Total Chlorine Test. High levels of Chlorine are used to disinfect or sterilise water distribution systems.

### Specification

Measurement Range

0-5.0 mg/l



## Chromium Vi Reagent System 0-1.0Mg/Litre. Sufficient for 50 Tests.

Code: [433-120](#)

Product Group: [Photometer Reagents](#)

### Specification

Measurement Range



## Copper Reagent System Total Free and Chelated 0-5.0Mg/Litre. Sufficient for 50 Tests.

Code: [433-130](#)

Product Group: [Photometer Reagents](#)

Occurs naturally in water, may cause discolouration and an astringent taste. Sometimes used as an algicide.

### Specification

Measurement Range

0-4.0 mg/l





## **Dissolved Oxygen Reagent Pack. Sufficient for 30 Tests.**

Code: [433-136/10](#)

Product Group: [Photometer Reagents](#)

### **Specification**

Measurement Range



## Fluoride Reagent System 0-1.5Mg/Litre. Sufficient for 50 Tests.

Code: [433-138](#)

Product Group: [Photometer Reagents](#)

Found naturally in some waters, but more usually introduced into drinking water to prevent tooth decay.

### Specification

Measurement Range

0-1.5 mg/l



## Total Hardness Reagent System 0-500Mg/Litre. Sufficient for 50 Tests.

Code: [433-139](#)

Product Group: [Photometer Reagents](#)

### Specification

Measurement Range



## Magnesium Reagent System 0-100Mg/Litre. Sufficient for 50 Tests.

Code: [433-154](#)

Product Group: [Photometer Reagents](#)

Magnesium salts contribute to the hardness of water.

### Specification

Measurement Range

0-100 mg/l



## Manganese Reagent System 0-0.03Mg/L. Sufficient for 50 Tests.

Code: [433-156](#)

Product Group: [Photometer Reagents](#)

Commonly found in many natural waters. Causes staining to laundry and plumbing fittings.

### Specification

Measurement Range

0-0.03 mg/l



## Nitrate Reagent Pack. Sufficient for 200 Tests.

Code: [433-166/10](#)

Product Group: [Photometer Reagents](#)

Nitrates are found in many natural and waste waters. They originate from chemical fertilisers, breakdown of vegetation and the oxidation of nitrogen compounds in effluents.

## Specification

Measurement Range

0-1.0 mg/l



## Potassium Reagent System 0-12Mg/Litre. Sufficient for 50 Tests.

Code: [433-189](#)

Product Group: [Photometer Reagents](#)

An abundant natural element. High levels can be an indication of brackish waters.

### Specification

Measurement Range

0-12 mg/l



## Sulphate Reagent System 0-200Mg/Litre. Sufficient for 50 Tests.

Code: [433-192](#)

Product Group: [Photometer Reagents](#)

Occurs naturally in water, but often introduced during water treatment. High levels can cause corrosion to metalwork by sulphate reducing bacteria. Damage to cement can also take place.

### Specification

Measurement Range

0-200 mg/l





## Zinc Reagent System 0-4.0Mg/Litre. Sufficient for 50 Tests.

Code: [433-198](#)

Product Group: [Photometer Reagents](#)

Used as a corrosion inhibitor in industrial cooling water so may be present in effluent discharges.

### Specification

Measurement Range

0-4.0 mg/l



## Water level indicator (dipmeter) with audio and light indicator 200 m

Code: 450-013

Product Group: Water level indicators

Portable, lightweight, simple, reliable and easy to operate.

Clear interval markings.

Audible and visual water level alert signals.

Dipmeters are portable instruments for measuring the water level in wells, standpipes and boreholes. It is simple to use, portable and can be used at many locations. The tape design prevents it from sticking to wet surfaces, such as the lining of a borehole, ensuring accurate measurements.

The dipmeters have a stainless steel probe fitted to a flexible graduated cable which is wound on to a hand reel containing a transistorised switched circuit, audio (buzzer) and visual (LED light) indicators and a battery.

Sensitivity adjustment for variations in water conductivity, non-stretch polyethylene coated steel tape.

The sensor probe incorporates an insulating gap which acts as a switch, the circuit being completed when contact is made with the water. The cable consists of non-stretch contoured tape with standard steel conductors, graduated at one-millimetre intervals. The probe is lowered down a borehole to the end of the tape. When it makes contact with water a buzzer sounds and an LED light comes on, both located on the reel. A reading can then be taken from the tape at the top of the borehole to indicate the water depth. A sensitivity control is accessible inside the hand reel to enable adjustment to suit the water conductivity.

The Probe is shrouded and made of stainless steel, 230mm length and 15mm diameter.

Available lengths:

450-008: 30m  
450-010: 50m  
450-011: 100m  
450-012: 150m  
450-013: 200m  
450-015: 300m  
450-017: 500m

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## Further Information

Graduated Every 10 mm.

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## Specification

Tape length	200 m
Weight	4.6 kg
Indicator	Audio and visual
Tape graduations	m/cm/mm



## Water level indicator (dipmeter) with audio and light indicator 300 m

Code: 450-015

Product Group: Water level indicators

Portable, lightweight, simple, reliable and easy to operate.

Clear interval markings.

Audible and visual water level alert signals.

Dipmeters are portable instruments for measuring the water level in wells, standpipes and boreholes. It is simple to use, portable and can be used at many locations. The tape design prevents it from sticking to wet surfaces, such as the lining of a borehole, ensuring accurate measurements.

The dipmeters have a stainless steel probe fitted to a flexible graduated cable which is wound on to a hand reel containing a transistorised switched circuit, audio (buzzer) and visual (LED light) indicators and a battery.

Sensitivity adjustment for variations in water conductivity, non-stretch polyethylene coated steel tape.

The sensor probe incorporates an insulating gap which acts as a switch, the circuit being completed when contact is made with the water. The cable consists of non-stretch contoured tape with standard steel conductors, graduated at one-millimetre intervals. The probe is lowered down a borehole to the end of the tape. When it makes contact with water a buzzer sounds and an LED light comes on, both located on the reel. A reading can then be taken from the tape at the top of the borehole to indicate the water depth. A sensitivity control is accessible inside the hand reel to enable adjustment to suit the water conductivity.

The Probe is shrouded and made of stainless steel, 230mm length and 15mm diameter.

Available lengths:

450-008: 30m  
450-010: 50m  
450-011: 100m  
450-012: 150m  
450-013: 200m  
450-015: 300m  
450-017: 500m

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## Further Information

Graduated Every 10 mm.

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## Specification

Tape length	300 m
Weight	7 kg
Indicator	Audio and visual m/cm/mm
Tape graduations	



## Electrical Hotplate with Integral Magnetic Stirrer

Code: [46-4825/01](#)

Product Group: [Ring and Ball Apparatus](#)

Utilises a rotating magnetic field to induce variable speed stirring action. A built-in regulating transformer provides fine temperature control of liquid up to a maximum temperature of +150°C. The unit is suitable for use with the Ring and Ball Apparatus.

- Circular-top analogue magnetic hotplate stirrer.
- Speed controls for constant speed (even during load changes).
- Anti-corrosive ceramic steel plate with excellent thermal conductivity.
- Long life brushless motor.
- High magnetic adhesion.
- CE marked.

## Standards

EN 1427, BS 2000-58

## Further Information

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

## Specification

Temperature range	Ambient-340 Deg.C
Stirring speed	0-1500 rpm
Max. Viscosity	40 cP/ mPas
Heating rate (1 litre water)	6K/min
Motor type	Brushless
Stirring capacity	20L
Plate diameter	5.3"
Plate material	Ceramic coated steel
Dimensions	11"L x 6 1/4"W x 3"H
Weight	6lbs



## Uv/Vis Spectrophotometer with 100 Plastic Cuvettes 10X10mm Cell Holder Instructions & Mains Lead

Code: [485-031/01](#)

Product Group: [General laboratory instrumentation](#)



## GPS system, hand-held

Code: 500-114

Product Group: N/A

- 500 way point facility.
- Fast auto location time.
- Accurate to within 15 metres.
- Waterproof.
- Rugged and lightweight.

This low cost, rugged and trendy looking unit in its bright yellow case is ideal for surveying on a budget and has proven its self to be one of the most successful handheld receivers on the market. Smaller and lighter than many mobile phones, it is ideal for carrying for on long distance walks where rucksack space is at a premium and excess weight is to be avoided.

Its waterproof construction will also appeal to marine users, as well as those in extreme weather conditions on 'dry' land.

With only five buttons, this GPS unit is comfortable to hold and operate with one hand, leaving you free to hold your map in the other. The menu commands on screen are very user-friendly and easy to follow. The unit includes a useful feature allowing you to calculate your current and average speed, and estimate your time of arrival at a destination. The display provides additional information including your current location, distance travelled and bearing to a waypoint.

A PC interface cable (included) allows limited transfer of information to and from the GPS unit. This includes route, track and waypoint data for pre-programming before you begin your journey, or for analysis when you get home via the Map source trip & waypoint manager software. The system also comes with a pack of 4 AA batteries, which will provide up to 44 hours of continuous use.





## Land measurer

Code: [500-118](#)

Product Group: [Surveying Equipment](#)

For rough terrain.

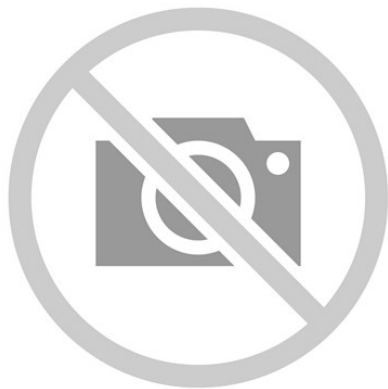


## Nylon-coated steel tape

Code: [500-162](#)

Product Group: [Surveying Equipment](#)

50 m on open frame winder.



## Automatic Weather Station

Code: [509-105](#)

Product Group: [Environmental weather station](#)



## Soil Analysis Test Kit for Major Nutrients

Code: [513-016](#)

Product Group: [Soil test kits](#)

This soil fertility kit tests for:

- pH
- lime requirement
- nitrate nitrogen
- phosphate
- potassium

## Further Information

Includes soil scoop, de-ion pack, pH block and N/Mg/P Soiltester block.



**Conductivity/Temp/TDS Meter with Electrode and Carrying Case**

Code: [513-160](#)

Product Group: [Paqualab Test Meters](#)

Hand-held Conductivity Meter with a conductivity range 0.0 $\mu$ S/cm to 200.0mS/cm, TDS range 0.01mg/l to 200.0mg/l, with electrode clip, probe and standard sachets.

Compact design with built-in, hingeing stand for bench use, IP67 protection level housing, single point calibration with automatic recognition of 3 pre-defined standards, 200 measurement memory, large segmented LCD readout, automatic linear temperature compensation from 0.00% to 10.00%/°C, automatic or manual end-point recording with audiovisual signals.

Supplied as a standard kit with electrode clip, wrist strap, instructions, batteries, probe, sealing caps 2 x 1413 $\mu$ S/cm and 2 x 12.88mS/cm standard sachets.

**Specification**

Model	513-160	
Ranges	Conductivity TDS Temperature	0.0 $\mu$ S/cm to 200.0mS/cm 0.01mg/litre to 200.0mg/litre 0.0 to 100.0°C
Calibration	1 point, with 3 pre-defined standards	
Temperature compensation	Automatic	Adjustable, 0.0% per °C to 10.0% per °C
Reference temperature	°C	20 or 25 selectable
Input	LTW 7pin	
Power	4 x 1.5V AA alkaline batteries	
Overall W x D x H	mm	77 x 33 x 188
Weight	G	260



## Dial-Type Gauge Tensiometer 600 mm

Code: [514-022](#)

Product Group: [Tensiometers](#)

Durable weather and soil resistant tensiometer.

Designed for permanent installation.

Rapid response.

Accurate yet inexpensive, this tensiometer is ideal for long term deployment in both field and greenhouse environments. The tensiometer is easy to install via the use of the custom insertion tool (514-030), and maintain, with a full range of spares available. Rapid response is ensured by the sensitive 0-100 centibar dial gauge, having a re-calibration facility. For convenience, a range of lengths are available for monitoring at variable depths.

Note: For operating these tensiometers, a service kit (514-034) is required.

The insertion tool (514-030) is used to provide a clearance hole and also to maintain existing hole diameter for the tensiometer.

## Further Information

Requires part 514-034 service kit



## Insertion Tool

Code: [514-030](#)

Product Group: [Tensiometers](#)

- To provide clearance hole and maintain hole diameter for tensiometers.

- For use with tensiometer series

## Further Information

1370 mm long.



## Service Kit

Code: [514-034](#)

Product Group: [Tensiometers](#)

This kit is designed to service and maintain soilmoisture tensiometers.

Kit includes a Vacuum Hand Pump, 455 ml natural colour plastic bottle, rubber washer, 3 mm O.D. nylon tubing, spout/cap assembly, herbicide/algaeicide additive and 12 monthly chart forms.

## Specification

Weight

0.77 kgs

Dimensions

33 x 33 x 17 cms





## 100 Litre Drying Oven

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

Product Group: [Oven Drying Method](#), [Oven Drying Method](#), [Oven Drying Method](#)

### Standards

BS 2648, BS 598, BS 1377, BS 1924

### Further Information

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



**Electronic Balance, capacity 6kg.  
Readability: 0.1g.**

Code: [78-5600](#)

Product Group: [N/A](#)



## 200 mm Diameter Lid

Code: 79-0010

Product Group: Sieve Lids and Receivers ISO and BS, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

## Standards

BS 410-1, ISO 3310

## Further Information

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



## 200 mm Diameter Receiver

Code: 79-0020

Product Group: Sieve Lids and Receivers ISO and BS, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

## Standards

BS 410-1, ISO 3310

## Further Information

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



## 200mm Dia BS Sieve 63 Mic Stainless Steel Mesh.

Code: [79-0070](#)

Product Group: [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#)

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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



## 200mm Dia BS Sieve 75 Mic Stainless Steel Mesh.

Code: [79-0080](#)

Product Group: [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#)

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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



## 200mm Dia BS Sieve 150 Mic Stainless Steel Mesh.

Code: [79-0120](#)

Product Group: [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#)

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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



## 200mm Dia BS Sieve 212Mic Stainless Steel Mesh.

Code: 79-0140

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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





## 200mm Dia BS Sieve 300Mic Stainless Steel Mesh.

Code: 79-0160

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, EN933-2, ISO 565

### Further Information

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



## 200mm Dia BS Sieve 425Mic Stainless Steel Mesh.

Code: 79-0180

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, EN933-2, ISO 565

### Further Information

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



## 200mm Dia BS Sieve 600Mic Stainless Steel Mesh.

Code: [79-0200](#)

Product Group: [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#), [200mm Diameter BS Sieves](#)

### Standards

BS 410-1, ISO 3310, EN933-2

### Further Information

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



## 200mm Dia BS Sieve 1.18mm Stainless Steel Mesh.

Code: 79-0240

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, EN933-2, ISO 565

### Further Information

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



## 200mm Dia BS Sieve 2.00mm Stainless Steel Mesh.

Code: 79-0270

Product Group: 200mm Diameter BS Sieves, 200mm Diameter BS Sieves, 200mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, EN933-2, ISO 565

### Further Information

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



## 300mm Dia Lid.

Code: 79-2010

Product Group: Sieve Lids and Receivers ISO and BS, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

## Standards

BS 410-1, ISO 3310

## Further Information

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



## 300mm Dia Receiver.

Code: 79-2020

Product Group: Sieve Lids and Receivers ISO and BS, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

## Standards

BS 410-1, ISO 3310

## Further Information

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



## 300mm Dia BS Sieve 2.36mm Stainless Steel Mesh.

Code: 79-2280

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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





## 300mm Dia BS Sieve 3.35mm Stainless Steel Mesh.

Code: 79-2300

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, EN933-2, ISO 565

### Further Information

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



## 300mm Dia BS Sieve 5.00mm Perforated Plate.

Code: 79-2515

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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



## 300mm Dia BS Sieve 6.30mm Perforated Plate.

Code: 79-2525

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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



## 300mm Dia BS Sieve 10.0mm Perforated Plate.

Code: 79-2555

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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



## 300mm Dia BS Sieve 14.0mm Perforated Plate.

Code: 79-2575

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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



## 300mm Dia BS Sieve 20.0mm Perforated Plate.

Code: 79-2595

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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



## 300mm Dia BS Sieve 28.0mm Perforated Plate.

Code: 79-2615

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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



## 300mm Dia BS Sieve 37.5mm Perforated Plate.

Code: 79-2640

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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





## 300mm Dia BS Sieve 50.0mm Perforated Plate.

Code: 79-2655

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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



## 300mm Dia BS Sieve 63.0mm Perforated Plate.

Code: 79-2670

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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



## 300mm Dia BS Sieve 75.0mm Perforated Plate.

Code: 79-2680

Product Group: 300mm Diameter BS Sieves, 300mm Diameter BS Sieves, 300mm Diameter BS Sieves

### Standards

BS 410-1, ISO 3310, ISO 565, EN933-2

### Further Information

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



## Sieve Brush Brass and Nylon

Code: [79-7200](#)

Product Group: [Sieve Brushes](#)

Double-ended, brass and nylon bristle

## Standards

ASTM E11

## Further Information

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



## Stopwatch

Code: [81-0521](#)

Product Group: [Watches and Clocks](#)

## Further Information

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

## Specification

Dimensions (mm)

64 x 53 x 19



## Sample Container - Tinned Steel 0.5 litres

Code: [81-3000](#)

Product Group: [Moisture Content Tin and Sample Containers](#)

### Further Information

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