



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

This wishlist was generated on 21/11/2017, and contains the following Products:

34-6250/01

Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz 1Ph. Supplied with clamping assembly

34-6575/01

Large Curing Tank C/W with Circulating Pump Heater/Thermostat Unit and Lower Rack

35-3970

Moisture Meter

34-4570

150mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

34-5210

100mm Dia Cylinder Mould 200mm Long.

34-0192

Slump Test Set BS & ASTM. C/W Slump Cone Base Plate Steel Rule Tamping Rod & Funnel.

35-2505

Crack Detection Microscope Magnification X 40 Measuring Range of 4mm In 0.02mm Divisions

36-1410/01

1000/500kN Motorised Compression/Tension Machine (complete with grips) 220-240V 50/60Hz 1Ph.

38-2695

Pocket Concrete Penetrometer

38-6080

ASTM Calipers

39-1100

Three-gang Mould

24-4919

Sand Equivalent Apparatus ASTM Aashto with Carrying Case.

79-5610

8in Dia ASTM Sieve 37.5mm Stainless Steel Mesh.

79-5580

8in Dia ASTM Sieve 25.0mm Stainless Steel Mesh.

79-5560

8in Dia ASTM Sieve 19.0mm Stainless Steel Mesh.

79-5530

8in Dia ASTM Sieve 12.5mm Stainless Steel Mesh.

79-5510

8in Dia ASTM Sieve 9.50mm Stainless Steel Mesh.

79-5020

8in Dia ASTM Sieve 4.75mm Stainless Steel Mesh.

79-5060

8in Dia ASTM Sieve 2.36mm Stainless Steel Mesh.

79-5100

8in Dia ASTM Sieve 1.18mm Stainless Steel Mesh.

79-5140

8in Dia ASTM Sieve 600 Mic Stainless Steel Mesh.

79-5180

8in Dia ASTM Sieve 300 Mic Stainless Steel Mesh.

79-5220

8in Dia ASTM Sieve 150 Mic Stainless Steel Mesh.

79-5260

8in Dia ASTM Sieve 75 Mic Stainless Steel Mesh.

34-2820

Bulk Density Measure 15 Litre

521-050

Dissolved Oxygen / Temp Meter. with Electrode and Carrying Case

430-020

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

Contents

www.ele.com
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430-550

Paqualab photometer

80-0200/01

ELE Sieve Shaker

82-5311

Surface Thermometer

82-0120

Beaker - 100 ml

82-0140

Beaker - 250 ml

82-0200

Beaker - 600 ml

82-0220

Beaker - 1000 ml

82-0260

Beaker Cover

82-1970

Evaporating Dish - 100 x 40 mm

82-2010

Evaporating Dish - 200 x 55 mm

82-1000

Volumetric Flask - 100 ml

82-1020

Volumetric Flask - 250 ml

24-9150/02

CBR-Test 50 Machine 50 kN Capacity BS and ASTM Supplied with Stabilising Bar.

78-0860

50kN Clamped Boss Load Ring

24-9228

ASTM Cbr Mould Complete with Collar & Perforated Base

24-9179

CBR Penetration Piston Assembly

24-9184

Penetration/Swell Dial Gauge ASTM.

35-4043

Gwt Permeability Kit 0-6 bar range Supplied In a carrying case.

35-2310

Automated Pull-Off Adhesion Tester

35-1480

Standard Concrete Test Hammer



Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz 1Ph. Supplied with clamping assembly

Code: [34-6250/01](#)

Product Group: [Vibrating Table](#)

Vibrating table mounted on a steel stand, supplied with clamp assembly.

Standards

EN 12390-2, EN 12350-6, EN 12350-7

Further Information

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

3000 cycles per minute. For 220 - 240 V AC, 50 Hz, 1 ph.

Specification

| | |
|-------------------------|-------------------------|
| Dimensions (table top) | 600 x 400 mm |
| Maximum no. Cube moulds | 2 x 150 mm ² |
| Clamp Assembly | Single |
| Weight | 60 kg |

Accessories



Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)



Wire Brush

Code: 81-0705

Alternatives



100 X 100 X 500mm Beam Mould.

Code: 34-5003



100mm Cube Mould 2-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: 34-4650



100mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: 34-4520



100mm Dia Cylinder Mould 200mm Long.

Code: 34-5210



150 X 150 X 750mm Beam Mould.

Code: 34-5053



150mm Cube Mould 2-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: 34-4670



150mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: 34-4570



150mm Dia Cylinder Mould 150mm Long.

Code: 34-5230



150mm Dia Cylinder Mould 300mm Long.

Code: 34-5260



**200mm Cube Mould Clamp Type. Cast Iron Construction.
Stamped Mould Sections. EN Compliant.**

Code: [34-4620](#)



Large Curing Tank C/W with Circulating Pump Heater/Thermostat Unit and Lower Rack

Code: [34-6575/01](#)

Product Group: [Expansion \(swell\) Test Equipment, Large Curing Tank](#)

This Large Curing Tank is supplied complete with a submersible pump, immersion heater/thermostat unit and separate control panel. The tank includes a lower rack as standard and is designed to maintain the temperature at $20 \pm 2^\circ\text{C}$, providing that the ambient temperature does not fall below 15°C or rise above 20°C .

Standards

EN 12390-2, ASTM C31, AASHTO T23

Further Information

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

Supplied as specified. For 220 - 240 V AC, 50 - 60 Hz, 1 ph.

Specification

| | |
|---------------------|----------------------------------|
| Internal Dimensions | 1040 x 1040 x 605 mm (l x w x h) |
| Capacity | 650 litres |
| Rated Power | 2000 watt |
| Weight | 60 kg |

Accessories



Maximum and Minimum Thermometer

Code: [82-5310](#)

Alternatives



Jolting Table 220 - 240 V AC 60 Hz

Code: [39-1150/06](#)



Moisture Meter

Code: [35-3970](#)

Product Group: [Measuring Equipment](#)

This is a general-purpose moisture meter designed specifically for building professionals and tradesman to check the moisture content in a variety of construction material for moisture content diagnosis.

This features LED bar graph which indicates 'OK', 'WARNING' or 'DAMP' levels.

Specification:

Scale 1 - Wood 1 (W1): 6.0 to 40.0 %

Scale 2 - Wood 2 (W2): 8.0 to 40.0 %

Scale 3 - Plaster (P1): 0.1 to 15.0 %

Scale 4 - Concrete (C1): 0.5 to 12.0 %

Scale 5 - Linear or Reference (Lin): 0 to 1000

Specification

| | |
|------------|---|
| Resolution | 0.1% or 1 (linear scale) |
| Accuracy | ±1% moisture content |
| Battery | 3 x 1.5 volt AAA Battery life: 350 hours |
| Display | 12mm LCD |
| Dimensions | 25 x 56 x 128mm |
| Weight | 130 grams |



150mm Cube Mould 4-Part Clamp Type. Cast Iron Construction. BS EN Compliant.

Code: [34-4570](#)

Product Group: [Cube Moulds](#), [Cube Moulds](#)

4-part with clamp attached base plate.

Standards

BS 1881-108, EN 12390-1, EN 12390-2

Specification

| | |
|--------------|-------------------------------------|
| Construction | Bolted sides and clamped base plate |
| Finish | Painted |
| Weight | 42 lb (19.1 kg) |

Accessories



Aluminium Scoop Large

Code: [81-0220](#)



Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)



Float - Plasterer's type

Code: [81-0340](#)



Mould Oil (25 Litre Drum)

Code: [82-7341](#)



Wire Brush

Code: [81-0705](#)

Spares/Consumables



Soft Headed Mallet.

Code: [29-5020](#)

Alternatives



Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz 1Ph. Supplied with clamping assembly

Code: [34-6250/01](#)



100mm Dia Cylinder Mould 200mm Long.

Code: [34-5210](#)

Product Group: [Cylinder Moulds](#)

100 mm diameter x 200 mm long, complete with base plate.

Standards

EN 12390-1, EN 12390-2

Further Information

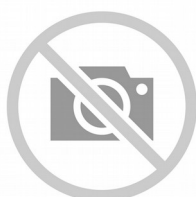
****NOT AVAILABLE FOR SALE IN THE USA****

Accessories



Aluminium Scoop Large

Code: [81-0220](#)



Compacting Bar 25mm Sq X 380mm

Code: [34-2910](#)



Float - Plasterer's type

Code: [81-0340](#)



Mould Oil (25 Litre Drum)

Code: [82-7341](#)



Tamping Rod 16mm Dia X 600mm long hemispherical at both ends.

Code: [34-0130](#)



Wire Brush

Code: [81-0705](#)

Spares/Consumables



Soft Headed Mallet.

Code: [29-5020](#)

Alternatives



**Vibrating Table 600 X 400mm Table Top. 220-240V 50Hz
1Ph. Supplied with clamping assembly**

Code: [34-6250/01](#)



Slump Test Set BS & ASTM. C/W Slump Cone Base Plate Steel Rule Tamping Rod & Funnel.

Code: [34-0192](#)

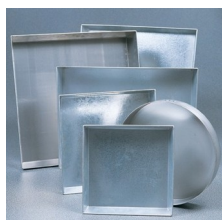
Product Group: [Slump Test](#)

BS and ASTM comprising of slump cone, base plate, steel rule, tamping rod and funnel.

Further Information

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

Accessories



Sample Tray - 1200 x 1160 x 50 mm

Code: [81-4230](#)



Shovel - With flat blade

Code: [81-0240](#)

Spares/Consumables



Stopwatch

Code: [81-0521](#)



Crack Detection Microscope Magnification X 40 Measuring Range of 4mm In 0.02mm Divisions

Code: [35-2505](#)

Product Group: [Crack Detection](#), [Crack Detection Microscope](#)

Specifically designed for measuring crack width in concrete, this high definition microscope operates via an adjustable light source provided by high power batteries.

Supplied in a pocket sized carrying case.

Specification

| | |
|-----------------|--|
| Magnification | X 35 . |
| Measuring Range | 4 mm. |
| Divisions | 0.02 mm. |
| Dimensions | 1.5" x 3.5" x 6" (40 x 90 x 150 mm) in case. |
| Weight | Net 19.4 oz. (550 g). |

Alternatives



Calibrated Crack Monitor

Code: [35-2510](#)



1000/500kN Motorised Compression/Tension Machine (complete with grips) 220-240V 50/60Hz 1Ph.

Code: 36-1410/01

Product Group: Compression Tension Machine

- Compression testing of concrete cubes and cylinders
- Calibration in compression is accurate to 1% of indicated load, satisfying BS EN ISO 7500-1; ASTM E4
- Self-aligning upper platen for compression tests
- Easily fitted grips for tension testing

The load frame is of high quality steel construction with a fixed upper head carrying a ball-seated platen. The ram carrying the lower platen is contained in the base of the frame and is protected by a shroud. Sufficient clearance between the platens allows the compression testing of concrete cylinders up to 160 mm diameter by 320 mm long. To allow for the compression testing of concrete cubes, a range of distance pieces is available.

Tension tests on steel reinforcing bars are conducted by replacing the platens with special grips. As standard the machine is supplied with the following size grips for testing bars, 10 mm, 12 mm, 20 mm, and 25 mm diameter. The machine is motorised, incorporating a change-over lever to select either compression or tension output from the pump.

Standards

BS EN ISO 7500-1, ASTM E4

Further Information

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

220-240V 50/60 Hz 1Ph.



Pocket Concrete Penetrometer

Code: 38-2695

Product Group: Concrete Mortar Penetrometer,
Concrete Mortar Penetrometer, Setting Time by
Penetration Resistance

- Stainless steel
- Corrosion resistant
- Two versions available for Concrete and

Soils

- Easy to read scales
- Complies to ASTM C403 and AASHTO T197

Standards

ASTM C187, ASTM C191, ASTM C780

Specification

| | |
|---------------|--|
| Needle | Steel shaft; 1/20 sq. in. surface area. |
| Range | 0 to 700 psi. |
| Scale | Direct-reading; indicator sleeve holds reading until released. |
| Dimensions | 3/4" (19 mm) diam. x 7" (178 mm) long. |
| Carrying Case | Canvas, with belt-loop. |
| Weight | Net 8 oz. (227 g). |



ASTM Calipers

Code: [38-6080](#)

Product Group: [Flow and Workability of Mortar Lime, 10" Flow Table](#)

For measuring the diameter of the sample.

Standards

ASTM C230, BS 4551-1

Accessories



Flow Mould

Code: [38-6040](#)



Motorised Unit for the 38-6000 Flow Table

Code: [38-6100/01](#)



Plastic Tamper

Code: [38-6160](#)

Alternatives



Flow Mould

Code: [38-6040](#)



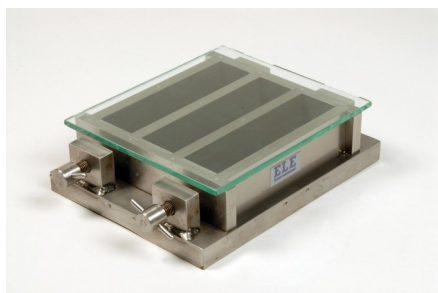
Motorised Unit for the 38-6000 Flow Table

Code: [38-6100/01](#)



Plastic Tamper

Code: [38-6160](#)



Three-gang Mould

Code: [39-1100](#)

Product Group: [Moulding of Prisms](#)

For 40.1 x 40 x 160 mm mortar prisms. This mould is manufactured to a very high specification. Supplied with glass plate.

Standards

EN 196-1, EN 413-2, EN 459-2, EN 1015-10, EN 13454-2, ISO 679, BS 3892-1, BS 4551-1

Further Information

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

Accessories



Feeding Hopper

Code: [39-1120](#)

Spares/Consumables



Glass Plate

Code: [39-1100/10](#)



Mortar Sand

Code: [39-1170](#)

Alternatives



Feeding Hopper

Code: 39-1120



Sand Equivalent Apparatus ASTM Aashto with Carrying Case.

Code: [24-4919](#)

Product Group: [Sand Equivalent Value](#), [Sand Equivalent Value](#)

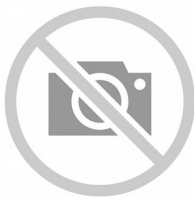
Set Includes:

- 4 Plastic measuring cylinders
- 1 Carrying case
- 1 Weighted foot assembly
- 1 Irrigator tube
- 1 Rubber tubing complete with pinch clip
- 1 Funnel.

Standards

ASTM D2419, AASHTO T176

Accessories



5 Litre Syphon Assembly with Connection for 5mm Id Tubing.

Code: [24-4925](#)



Calcium Chloride 2.5Kg.

Code: [24-4930](#)



Formaldehyde 40% Aqueous Solution 2.5 Litre.

Code: [24-4932](#)



Glycerol Analar 2.5 Litre

Code: [24-4934](#)



8in Dia ASTM Sieve 37.5mm Stainless Steel Mesh.

Code: 79-5610

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/2" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | 1-1/2" |
| Sieve Opening Standard | 38.1 mm |
| Sieve Opening Alternative (in.) | 1.5 |



8in Dia ASTM Sieve 25.0mm Stainless Steel Mesh.

Code: 79-5580

Product Group: U.S. Standard Testing Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | 1" |
| Sieve Opening Standard | 25.0 mm |
| Sieve Opening Alternative (in.) | 1 |



8in Dia ASTM Sieve 19.0mm Stainless Steel Mesh.

Code: 79-5560

Product Group: U.S. Standard Testing Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | 3/4" |
| Sieve Opening Standard | 19.0 mm |
| Sieve Opening Alternative (in.) | 0.75 |



8in Dia ASTM Sieve 12.5mm Stainless Steel Mesh.

Code: 79-5530

Product Group: U.S. Standard Testing Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | 1/2" |
| Sieve Opening Standard | 12.5 mm |
| Sieve Opening Alternative (in.) | 0.5 |



8in Dia ASTM Sieve 9.50mm Stainless Steel Mesh.

Code: 79-5510

Product Group: U.S. Standard Testing Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/8" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | 3/8" |
| Sieve Opening Standard | 9.5 mm |
| Sieve Opening Alternative (in.) | 0.375 |



8in Dia ASTM Sieve 4.75mm Stainless Steel Mesh.

Code: 79-5020

Product Group: U.S. Standard Testing Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 4 |
| Sieve Opening Standard | 4.75 mm |
| Sieve Opening Alternative (in.) | 0.187 |



8in Dia ASTM Sieve 2.36mm Stainless Steel Mesh.

Code: 79-5060

Product Group: U.S. Standard Testing Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 7 |
| Sieve Opening Standard | 2.36 mm |
| Sieve Opening Alternative (in.) | 0.0937 |



8in Dia ASTM Sieve 1.18mm Stainless Steel Mesh.

Code: 79-5100

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 16 |
| Sieve Opening Standard | 1.18 mm |
| Sieve Opening Alternative (in.) | 0.0469 |



8in Dia ASTM Sieve 600 Mic Stainless Steel Mesh.

Code: 79-5140

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 30 |
| Sieve Opening Standard | 600 um |
| Sieve Opening Alternative (in.) | 0.0234 |



8in Dia ASTM Sieve 300 Mic Stainless Steel Mesh.

Code: 79-5180

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 50 |
| Sieve Opening Standard | 300 um |
| Sieve Opening Alternative (in.) | 0.0117 |



8in Dia ASTM Sieve 150 Mic Stainless Steel Mesh.

Code: 79-5220

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 100 |
| Sieve Opening Standard | 150 μ m |
| Sieve Opening Alternative (in.) | 0.0059 |



8in Dia ASTM Sieve 75 Mic Stainless Steel Mesh.

Code: 79-5260

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 200 |
| Sieve Opening Standard | 75 um |
| Sieve Opening Alternative (in.) | 0.0029 |



Bulk Density Measure 15 Litre

Code: [34-2820](#)

Product Group: [Bulk Density Measures, Fresh Concrete](#) - [Bulk Density Measures](#)

Manufactured from heavy gauge steel these bulk density measures comply with the requirements of either BS 812, EN 1097-3, 12350-6 or ASTM C138. All measures incorporate carrying handles as standard.

Further Information

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

For other bulk density measures see the aggregates section



Dissolved Oxygen / Temp Meter. with Electrode and Carrying Case

Code: [521-050](#)

Product Group: [Paqualab Test Meters](#)



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

Spares/Consumables



Spare pH electrode for use with 430-020 meter

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



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
+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



ELE Sieve Shaker

Code: [80-0200/01](#)

Product Group: [ELE Sieve Shaker](#)

The ELE sieve shaker is powered by an electromagnetic drive that has no rotating parts to wear making it maintenance free and extremely quiet in operation.

The unit features a triple Vertical-Lateral-Rotary vibrating action that moves the sample over the sieve producing faster more efficient sieving, while the rapid vertical movements also help keep the apertures from blinding.

The shaker is ideal for laboratory or on site use. It is robust, compact and sufficiently lightweight to be portable. The separate digital microprocessor controlled console unit incorporates a keypad for setting the sieving program and is isolated from any effects of vibration from the shaker.

As standard the shaker includes, timer 0-999 minutes, adjustable vibration intensity and adjustable intermittent or continuous operation.

Further Information

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

The unit accepts up to ten 200 mm or 8 inch, full height, diameter sieves and lid and receiver, or up to six 300 mm or 12 inch diameter sieves and lid and receiver. Complete as specified. Dimensions (l x w x h) 380 x 440 x 1085 mm. For 220 - 240 V AC, 50 Hz 1ph.



Surface Thermometer

Code: [82-5311](#)

Product Group: [General-purpose Thermometers](#)

Flat surface type with approximately 64 mm diameter dial. Accuracy $\pm 3^{\circ}\text{C}$. Range 0 - $+160^{\circ}\text{C}$.

Further Information

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



Beaker - 100 ml

Code: [82-0120](#)

Product Group: [Beakers and Covers](#)

Borosilicate glass, squat form.

Further Information

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



Beaker - 250 ml

Code: [82-0140](#)

Product Group: [Beakers and Covers](#)

Borosilicate glass, squat form.

Further Information

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



Beaker - 600 ml

Code: [82-0200](#)

Product Group: [Beakers and Covers](#)

Borosilicate glass, squat form.

Further Information

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



Beaker - 1000 ml

Code: [82-0220](#)

Product Group: [Beakers and Covers](#)

Borosilicate glass, squat form.

Further Information

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



Beaker Cover

Code: [82-0260](#)

Product Group: [Beakers and Covers](#)

Watch glass. Borosilicate glass, 100 mm dia.

Further Information

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



Evaporating Dish - 100 x 40 mm

Code: [82-1970](#)

Product Group: [Evaporating Dishes](#)

Shallow form with spout, porcelain 100 x 40 mm
nominal diameter x height.

Further Information

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



Evaporating Dish - 200 x 55 mm

Code: [82-2010](#)

Product Group: [Evaporating Dishes](#)

Shallow form with spout, porcelain 200 x 55 mm
nominal diameter x height.

Further Information

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



Volumetric Flask - 100 ml

Code: [82-1000](#)

Product Group: [Funnels and Flasks](#)

Soda glass, stoppered to BS ISO 1042 Class B.

Further Information

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



Volumetric Flask - 250 ml

Code: [82-1020](#)

Product Group: [Funnels and Flasks](#)

Soda glass, stoppered to BS ISO 1042 Class B.

Further Information

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



CBR-Test 50 Machine 50 kN Capacity BS and ASTM Supplied with Stabilising Bar.

Code: 24-9150/02

Product Group: CBR Load Frames, CBR-Test 50 Machine

Standards

AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180

Further Information

110-120vAC, 60 Hz, 1Ø.

Proving Ring, Penetration Piston assembly and penetration dial indicator not included, order separately

Specification

| | |
|----------------------|---|
| Capacity | 11 ,200 lbf. (50 kN). |
| Horizontal Clearance | 10" (255 mm). |
| Vertical Clearance | 31 .5" (800 mm) maximum. |
| Platen | 5.24 " (133 mm) diam. |
| Platen Travel | 4.13 " (105 mm). |
| Amps | 4 |
| Dimensions | 15 .75" w. x 21 .65" d. x 48" h. (400 x 550 x 1,220 mm). |
| Weight | Net 269 lbs. (122 kg). |

Accessories



50kN Clamped Boss Load Ring

Code: 78-0860



50kN S-type Load Cell

Code: [27-1559](#)



ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)



BS Cbr Mould Body.

Code: [24-9198](#)



BS Extension Collar

Code: [24-9200](#)



BS Solid Base or Top Plate

Code: [24-9204](#)



Cbr Penetration Piston (Adjustable).

Code: [24-9183](#)



CBR Penetration Piston Assembly

Code: [24-9179](#)



CBR Penetration Transducer 50mm Travel Fitted with 5 Pin Din Plug.

Code: [27-1705](#)



CBR Test Accessory Set English

Code: [24-9175](#)



CBR Test Accessory Set For Use with GDU or DSU

Code: [24-9185](#)



CBR Test Accessory Set Metric

Code: [24-9177](#)



Clamped Boss Load Ring - 10.0 kN

Code: [78-0460](#)



Clamped Boss Load Ring - 2.0 kN

Code: [78-0060](#)



Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)



Digital Proving Ring, 11,200 lbs (50.0 kN)

Code: [78-0864](#)



Digital Proving Ring, 6,000 lbs (28.0 kN)

Code: [78-0764](#)



Penetration Dial Gauge BS

Code: [24-9186](#)



Penetration Piston

Code: [24-9182](#)



Penetration/Swell Dial Gauge ASTM.

Code: [24-9184](#)

Spares/Consumables



Dial Indicator - 1.0" Range

Code: [88-4100](#)

Alternatives



CBR Loading Press, Hand-Operated

Code: [24-9345](#)



Cbr-Test 50 Machine 50kN Capacity BS and ASTM Supplied with Stabilising Bar.

Code: [24-9150/06](#)



Cbr-Test 50 Machine 50kN Capacity BS and ASTM Supplied with Stabilising Bar.

Code: [24-9150/01](#)



Digital Tritest 50 Load Frame

Code: [25-3518/02](#)



Versa-Loader

Code: [25-3525/02](#)



50kN Clamped Boss Load Ring

Code: 78-0860

Product Group: Clamped Boss Load Rings, Digital Tritest 50 Load Frame, Load Measurement, Proving Rings, Accessories for the Marshall test, Accessories for the Marshall Test, CBR-Test 50 Machine, Load Measurement, CBR Loading Press, Hand-Operated, Force measurement

Calibrated in compression.

Standards

EN 12697-34

Specification

| | |
|---|--------------------|
| Capacity: kN, kgf, lbf | 50.0, 5000, 11,200 |
| Typical Design sensitivity: N/div, kgf/div, lbf/div | 45.5, 4.54, 10.18 |
| Overall height mm | 248 |
| Approx weight kg | 7.9 |
| Value of CBR | Above 40% |
| Capacity - kN | 50 |
| Capacity - kgf | 5000 |
| Capacity - lbf | 11,200 |
| Typical Design Sensitivity - kN/div | 45.5 |
| Typical Design Sensitivity - Kgf/div | 4.54 |
| Typical Design Sensitivity - lbf/div | 10.18 |
| Overall Height | 9.76" (248 mm) |
| Approx Weight | 17.4 lbs.(7.9 kg) |

Accessories



Clamped Boss Load Ring - 10.0 kN

Code: 78-0460



Clamped Boss Load Ring - 2.0 kN

Code: [78-0060](#)



Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)



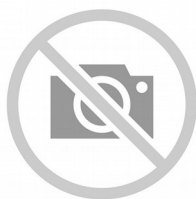
Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)



Digital Proving Ring, 11,200 lbs (50.0 kN)

Code: [78-0864](#)

Spares/Consumables



Spare Dial Indicator for Load Rings

Code: [78-5461](#)

Alternatives



Clamped Boss Load Ring - 10.0 kN

Code: [78-0460](#)



Clamped Boss Load Ring - 2.0 kN

Code: [78-0060](#)



Clamped Boss Load Ring - 28.0 kN

Code: [78-0760](#)



Clamped Boss Load Ring - 3.0 kN

Code: [78-0160](#)



Clamped Boss Load Ring - 4.5 kN

Code: [78-0260](#)



Digital Proving Ring, 11,200 lbs (50.0 kN)

Code: [78-0864](#)



ASTM Cbr Mould Complete with Collar & Perforated Base

Code: [24-9228](#)

Product Group: [ASTM/AASHTO CBR mould](#)

With collar and perforated baseplate.

Standards

ASTM D1883, AASHTO T193

Specification

| | |
|--------------|---|
| Mould | 152.4 x 177.8 mm (inside diameter x height) |
| Collar | 50.8 mm height, fits both ends of mould |
| Base plate | Perforated |
| Construction | All steel, plated |
| Weight kg | 9 |

Accessories



4.5Kg Annular Surcharge Weight ASTM.

Code: [24-9243](#)



5 Lb. Annular Surcharge Weight ASTM.

Code: [24-9245](#)



ASTM Cutting Collar.

Code: [24-9236](#)



ASTM Spacing Disc.

Code: [24-9238](#)

Alternatives



4.5Kg Annular Surcharge Weight ASTM.

Code: [24-9243](#)



5 Lb. Annular Surcharge Weight ASTM.

Code: [24-9245](#)



ASTM Cutting Collar.

Code: [24-9236](#)



ASTM Spacing Disc.

Code: [24-9238](#)



CBR Penetration Piston Assembly

Code: [24-9179](#)

Product Group: [CBR-Test 50 Machine](#)

For use on CBR-test.

Standards

ASTM D1883, AASHTO T193



Penetration/Swell Dial Gauge ASTM.

Code: 24-9184

Product Group: Expansion (swell) Test Equipment,
In-situ CBR, Conversion of In-situ to Laboratory CBR,
Penetration Measurement

1 in travel x 0.0005 in divisions. Complete with rack
extensions and chisel edge anvil.

Standards

BS 1377, BS 1924



Gwt Permeability Kit 0-6 bar range Supplied In a carrying case.

Code: [35-4043](#)

Product Group: [Permeability of Concrete](#)

The Water Permeability Test Kit is a portable unit capable of measuring in-situ permeability. It has a dual measuring range of 0 - 1.5 bar or 0 - 6 bar. Consisting of a sealed water reservoir and all necessary attachments, the unit is supplied complete in a carrying case. Dimensions 460 x 310 x 100 mm (l x w x h).

Further Information

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



Automated Pull-Off Adhesion Tester

Code: [35-2310](#)

Product Group: [Pull-off testing](#)

The quality of concrete repairs is determined by the adhesive strength between the repair material and the substrate. Pull-off testing is the most widely used test method to assess bond strength.

Maximum pulling force of 16 kN (3597 lbf)

Mid-range instrument suitable for most pull-off testing applications.

Calibration accuracy EN ISO 7500-1 Class 1.

Comprehensive range of test discs plus adjustable foot configuration to cover a wide range of applications.

Simple programming of key parameters and fully automated test.

Applications for the 35-2310 pull-off tester include: adhesive strength of mortars and renders, adhesive strength of asphalt, adhesive strength of tiles, bond strength of coatings and overlays, bond strength of repair and materials such as FRP, tensile strength in concrete renovation.

Standards

EN 1542, EN 1015-12, EN 1348, ASTM D 4541

Specification

| | |
|---------------------------------|---|
| Working range | 0.81 to 8.1 MPa (118 to 1182 psi) |
| Tensile force (50 mm test disc) | 1.6 to 16 kN (60 to 3597 lbf) |
| Maximum stroke | 5 mm |
| Maximum pulling speed | 4.65 mm/min (0.183 inch/min) |
| Memory | 100 measurements |
| Connections | USB to PC and for charging |
| Calibration accuracy | EN ISO 7500-1 Class 1 (± 1 % from 20 % of maximum force) |
| Battery capacity | 1500 mAh, 3.7V (min. 80 measurements) |
| Weight | 4.5 kg |

Accessories



Adaptor plate for large test discs

Code: [35-2310/18](#)



Fixing kit for vertical and overhead surfaces

Code: [35-2310/20](#)



Test disc aluminium 100x100mm/M10, set of 3

Code: [35-2310/16](#)



Test disc aluminium 40x40mm/M10, set of 10

Code: [35-2310/14](#)



Test disc aluminium 50x50mm/M10, set of 10

Code: [35-2310/13](#)



Test disc aluminium Ø 100mm/M10, set of 3

Code: [35-2310/15](#)



Test disc aluminium Ø 20mm/M10, set of 10

Code: [35-2310/12](#)



Test disc aluminium Ø 50mm/M10, set of 10

Code: [35-2310/11](#)



Test disc aluminium Ø 75mm/M10, set of 5

Code: [35-2310/17](#)



Test disc steel Ø 50mm/M10, set of 10

Code: [35-2310/10](#)

Spares/Consumables



Battery pack complete

Code: [35-2310/19](#)



Standard Concrete Test Hammer

Code: [35-1480](#)

Product Group: [Concrete Test Hammer, Surface Hardness](#)

The hammer is intended for testing the quality of concrete in finished structures such as buildings and bridges. Supplied complete with carrying case and carborundum stone, the hammer is suitable for testing concrete with compressive strengths of 10 to 70 N/mm².

Standards

ASTM C805

Specification

| | |
|--------------------|---|
| Body | Includes indicator scale, calibration curves. |
| Calibration Curves | Rebound number vs. compressive strength. |
| Rubbing Stone | Prepares test surface. |
| Accuracy | Within 15 %. |
| Carrying Case | Plastic. |
| Weight | Net 3 lbs. (1.4 kg). |

Accessories



Testing Anvil

Code: [35-1530](#)

Spares/Consumables



Rubbing Stone

Code: [35-1475/10](#)

Alternatives



Concrete Test Hammer - English

Code: [35-1475](#)