

general equipment



production

Our general laboratory equipment are complementary equipment that are used in conjunction with our major equipment.

We supply an extensive inventory of general laboratory product of the best quality and value ranging from balances and

scales, thermometers, laboratory ovens, muffle furnaces, vacuum pumps, air compressors, core drills, laboratory glassware, water baths, pans, bowls, dishes, jars, trowels, brushes, shovels, spatulas and general tools.

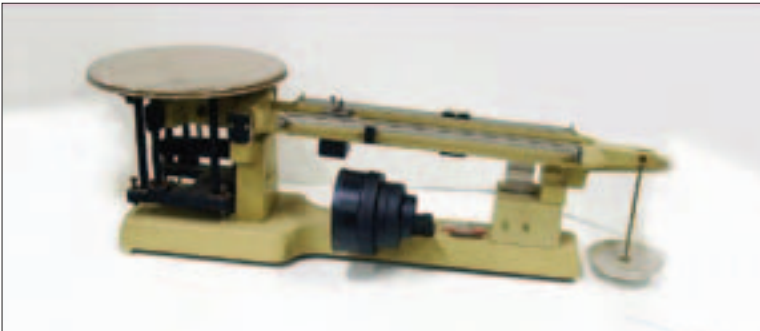
Geotechnical Testing Equipment

Laboratory Ballances and Scales

Our range of balances are designed for the lab but have the rugged features needed for materials testing. They include all metal chemical resistant die-cast housings. Compact and durable, these balances are the best choice for basic

weighing and economy. The tough durable ABS housing is designed to withstand field and laboratory environments, while being easy to clean and protected from accidental spills.

Electronic Digital Balances		
GN 0101	Digital Balance 250 g	0.0001 g resolution
GN 0102	Digital Balance 250 g	0.001 g resolution
GN 0103	Digital Balance 450 g	0.001 g resolution
GN 0104	Digital Balance 750 g	0.001 g resolution
GN 0105	Digital Balance 1500 g	0.01 g resolution
GN 0106	Digital Balance 2500 g	0.01 g resolution
GN 0107	Digital Balance 4500 g	0.01 g resolution
GN 0108	Digital Balance 6000 g	0.1 g resolution
GN 0109	Digital Balance 8000 g	0.1 g resolution
GN 0110	Digital Balance 10 kg	0.1 g resolution
GN 0111	Digital Balance 20 kg	0.1 g resolution
GN 0112	Digital Balance 20 kg	1 g resolution
GN 0113	Digital Balance 32 kg	1 g resolution
GN 0114	Digital Balance 30 kg	5 g resolution
GN 0115	Digital Balance 48 kg	2 g resolution
GN 0116	Digital Balance 60 kg	5 g resolution
GN 0117	Digital Balance 75 kg	1 g resolution
GN 0118	Digital Balance 75 kg	5 g resolution
GN 0119	Digital Balance 150 kg	10 g resolution
GN 0120	Digital Balance 300 kg	20 g resolution
Mechanical Scales		
GN 0121	Harvard Trip Balance	2000 g, 0.1 g readability
GN 0122	Triple Beam Balance	2610 g, 0.1 g readability
GN 0123	Dial-O-Gram Balance	310 g, 0.1 g readability
GN 0124	Heavy Duty Solution Balance	311 g, 0.01 g readability



Multi-Purpose Drying Ovens

Standards: EN 932-5, 1097-5, ASTM C 127- C136-D558, D559, D560, D698, D1557, D1559 BS 1377:1-1924:11

The Geotechnical Laboratory Ovens offer a range of highly efficient, reliable, cost effective units to suit most drying, warming and general laboratory applications. The exterior is constructed from sheet steel finished in an easy clean powder coated paint. The interior chamber is made from mild steel coated with aluminium (CLAD) with a stainless steel chamber available as an option.

Fitted with fixed shelf runners and removable chrome plated wire grid shelves.

Heated by Incoloy sheathed elements positioned below the chamber floor for natural convection units and fitted around the fan on the back or side wall of the chamber for mechanical convection units. The control system comprises of a Digital thermometer with thermostatically controlled units Microprocessor digital controller.



Model No.	Capacity (Litres)	Temperature	Number of Shelves	Number of Shelves Position	Fluctuation	Weight (Kg)
GN 0125	50	40-250C	2	3	0.75	31
GN 0126	125	40-250C	3	5	0.75	57
GN 0127	225	40-250C	3	4	0.75	80
GN 0128	225	40-200C	3	4	0.75	80
GN 0129	425	40-250C	4	5	0.75	150
GN 0130	425	40-200C	4	5	0.75	150
GN 0131	750	40-250C	5	8	0.5	200
GN 0132	1000	40-250C	6	11	0.5	240

GN 0133
Digital Tempreture control
GN 0134
Fan Circulation

GN 0135
Spare Shelf
GN 0136
Audible warning alarm

GN 0137
Door lock

Geotechnical Testing Equipment

Core Drill

Standards: EN 12697-27

The Portable Core Drill petrol powered engine is used for fast drilling into concrete or asphalt surfaces. It can take up to 180mm core bit diameter capacity, Heavyduty, precision gear box – optimum gear ratio for fast and economical drilling. Power 1.6 HP, Weight 8 Kg.

GN 0138

Handheld Core Drill with stand

GN 0139

Handheld Core Drill without stand

GN 0140

Core Bit, 50 mm dia

GN 0141

Core Bit, 100 mm dia

GN 0142

Core Bit, 150 mm dia



Core and Rock Drill

The Compact and latest design in Rock Drill machinery, suitable for working on high mountains and places with no power supply and air compressing equipment, especially suitable for temporary projects. Carried easily as the weight is only 27kg, built up with petrol engine, air pump, rock drill.

GN 0143

Rock Drill

GN 0144

Rock Drill chisel



Demolition Breaker

The Demolition breaker is used to break hard concrete surfaces. It has a robust metal housing and large soft padded grips which is easy to use. 2100 watt Motor.

GN 0145

Demolition Breaker complete with chisel

GN 0146

Concrete Breaker chisel



Heavy Duty Core Drilling Machine

Standards: EN 12697-27

The Heavy Duty Core Drill Machine is designed to minimize time required for cutting cores up to 150 mm diameter from concrete, asphalt and similar hard construction material. This Core Drill is capable of handling large and small hole with stable drilling platform and dependable performance while increasing the bit life.

Heavy-duty, dual-precision ground columns and tenzalloys precision machined carriage assembly
Smooth-precision ball feed screw system, accurate hole drilling positioning and easy alignment of drill platform.

GN 0147

Core Drill with Platform, Petrol Engine 6.0 HP
Weight 140Kg, complete with core bit

GN 0148

Core Drill with Platform, Petrol Engine 10.5 HP, Weight 160Kg, complete with core bit

GN 0149

Core Bit, 50 mm dia

GN 0150

Core Bit, 100 mm dia

GN 0151

Core Bit, 150 mm dia



Geotechnical Testing Equipment

Masonry Saw

Standards: EN 1367-3

The Masonry Saw is a compact light weight bench saw for cutting small to medium sized building materials for example bricks, blocks, rocks, tiles and slabs.

Special clamp assembly allows specimens to be held during cutting operation.

GN 0152

Masonry Saw complete with bench, clam and saw blade

GN 0153

350mm dia. Blade

GN 0154

450mm dia. Blade

GN 0155

600mm dia. Blade



Air Compressor

The Air Compressor is easy to use and to control the air manipulation.

The Cast Iron cylinder compressor pump is long lasting and with reliable performance. 1.3 HP comes with 25 ltr or 50 ltr capacity.

GN 0156

Air Compressor, 25 liters

GN 0157

Air Compressor, 50 liters



Vacuum Pump

The Vacuum Pump is ideal for laboratory use, it removes gas molecules from a sealed volume in order to leave behind a partial vacuum.

The free air displacement is 100 Ltr/Min. Ultimate Vacuum is 0.01 (mbar). 220 V, 50-60 Hz, 1 ph

GN 0158

Vacuum Pump

GN 0159

Rubber Tubing, 1meter



Distilled Water Still Equipment

The Water Distillation unit gives high quality distilled water having an output of 4 litre/hr with a power input of 3 KW. The unique features along with the safety provisions make it an ideal equipment to obtain pure distilled water for use in general laboratories and in numerous other end uses..

GN 0160

Single Water Distillation Equipment

GN 0161

Double Water Distillation Equipment

GN 0162

Spare glass



Water Bath

The Water Bath is ideal for general laboratory use including Marshall tests. Internal surfaces of polished stainless steel and housed in a sheet steel insulated outer case. Thermostatic digital heat controlled baths 0 to 99 °C supplied complete with cover.

- GN 0163**
Water Bath 12 Ltr
- GN 0164**
Water Bath 20 Ltr
- GN 0165**
Water Bath 30 Ltr
- GN 0166**
Water Bath 48 Ltr



Temperature measurement

Standards: EN 1367-3

Selecting the correct thermometer for an application is very important, to achieve the maximum accuracy and repeatability of the temperature reading.

The selection criteria for any thermometer should include:

- measurement range
- resolution of the reading 1 °C, 0.1 °C or 0.01 °C
- desired accuracy
- response time

Our Thermocouple, thermometers and probes are fast to respond to changes in temperature, they also have a wide measurement range. Resistance temperature detector and more accurate. justifiably proud of the quality of both our products and service. To ensure recognition and maintenance of our quality standards we are registered to BS EN ISO 9001:2000. Original UKAS Certificates can be provided to proof that the instruments and probes have been calibrated

against nationally approved standards.

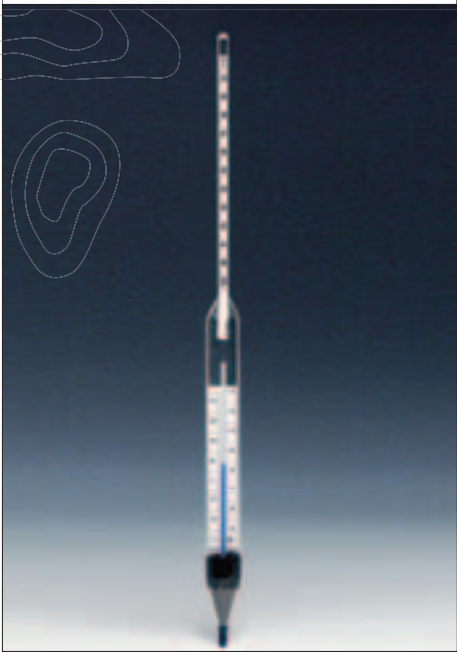


Model No.	Description	Temp Range	Temp Resolution	Accuracy
GN 0167	Digital Pocket Thermometer	-50 - +250 °C	0.1 °C	±0.4 °C
GN 0168	Digital probe Thermometer	-49.9 to 199.9 °C	0.1 °C	±0.5 °C
GN 0169	Digital probe Thermometer	-50 to 1000 °C	1 °C	±1 °C
GN 0170	Digital probe Thermometer	-50 to 1000 °C	0.1 °C	±0.5 °C
GN 0171	Thermocouple Wire 1 meter	-50 - +250 °C	0.1 °C	±0.5 °C
GN 0172	K type Probe	-50 to 1000 °C	1 °C	±1 °C
GN 0173	K type Probe	-50 - +250 °C	0.1 °C	±0.5 °C
GN 0174	Thermal Data Logger, 4000 Reading	-40 to 125 °C	0.1 °C	±0.5 °C

Tempreture, Hygrometer and Hydrometer Measurement

Standards: EN 1367-3

Model No.	Description	Temp Range	Resolution	Accuracy
Glass Thermometers				
GN 0175	Glass Thermometers	-10 - +60 °C	1.0 °C	±1 °C
GN 0176	Glass Thermometers	-10 - +110 °C	1.0 °C	±1 °C
GN 0177	Glass Thermometers	-10 - +160 °C	1.0 °C	±1 °C
GN 0178	Glass Thermometers	-10 - +250 °C	1.0 °C	±1 °C
GN 0179	Glass Thermometers	-10 - +310 °C	1.0 °C	±1 °C
GN 0180	Min-Max Thermometer	-20 to +50°C	1.0 °C	±1 °C
GN 0181	Protected Thermometer	-15 to +60°C	1.0 °C	±1 °C
GN 0182	Dial Surface Thermometers	0 to 160°C	1.0 °C	±1 °C
Portable Dial Thermometers				
GN 0183	Portable Dial Thermometers	-30 to +60	1.0 °C	±1 °C
GN 0184	Portable Dial Thermometers	-30 to +250	1.0 °C	±1 °C
GN 0185	Portable Dial Thermometers	0 to +250	1.0 °C	±1 °C
IP Thermometers				
GN 0186	IP24C Thermometers	+95 +103	0.1°C	±0.1 °C
GN 0187	IP28C Thermometers	-6 to +400	0.1°C	±0.1 °C
GN 0188	IP38C Thermometers	23 to 27	2.0°C	±0.1 °C
GN 0189	IP60C Thermometers	-2 to +80	0.2°C	±0.1 °C
GN 0190	IP61C Thermometers	30 to 200	0.5°C	±0.1 °C
GN 0191	IP89C Thermometers	-1 to +175	0.5°C	±0.1 °C
Hygrometer and Hydrometer				
GN 0192	Hydrometer, Range 0.995 to 1.030 densities (gms/cc) at 270C			
GN 0193	Hydrometer, Range 0.995 to 1.030 densities (gms/cc) at 270C			
GN 0194	Hygrometer, for humidity and temp, -10 to 60 °C and 20 to 95% RH			
GN 0195	Digital Barometer, Range 0 to 1300mbar (0 to 975mmHg)			



General Laboratory Hardware

ModelNo.	Description
Spatulas	
GN 0196	Spatula, 100 mm blade with wooden handle
GN 0197	Spatula, 150 mm blade with wooden handle
GN 0198	Spatula, 200 mm blade with wooden handle
Trowels	
GN 0199	Small Trowel
GN 0200	Large Trowel
GN 0201	Float. Plasterer's type



General Laboratory Hardware

Model No.	Description
Sample Trays	
GN 0202	Sample Tray, galvanised steel, 17 x 27 x 4 cm
GN 0203	Sample Tray, galvanised steel, 27 x 46 x 4 cm
GN 0204	Sample Tray, galvanised steel, 40 x 40 x 5 cm
GN 0205	Sample Tray, galvanised steel, 60 x 60 x 6 cm
GN 0206	Sample Tray, galvanised steel, 90 x 90 x 7 cm
GN 0207	Sample Tray, galvanised steel, 120 x 120 x 5 cm
Sample Container	
GN 0208	Sample Container. Steel. Lever Lid, 0.5 litres
GN 0209	Sample Container. Steel. Lever Lid, 2.5 litres
GN 0210	Sample Container. Steel. Lever Lid, 5 litres
GN 0211	Sample Container. Steel. Lever Lid, 10 litres
GN 0212	Sample Container. Steel. Lever Lid, 15 litres
Wire Baskets	
GN 0213	Wire Basket, BS 812, EN 1367-2 65 mm dia x 80 mm deep
GN 0214	Wire Basket, BS 812, EN 1367-2 95 mm dia x 120 mm deep
GN 0215	Wire Basket, BS 812, EN 1367-2 120 mm dia x 120 mm deep
General Items	
GN 0216	Trimming Knife
GN 0217	Heat-resistant Gloves
GN 0220	Rubber Gloves



Model No.	Description
Scoop	
GN 0221	Scoop Large 7 x 11 x 4 cm
GN 0222	Scoop Medium 12 x 19 x 7 cm
GN 0223	Scoop Small 25 x 31 x 11 cm
Beakers and Bowls	
GN 0224	Bowl. 2 litre capacity, stainless steel
GN 0225	Bowl. 6 litre capacity, stainless steel
GN 0226	Bowl. 9 litre capacity, stainless steel
GN 0227	Beaker. 250 ml capacity, aluminium
GN 0228	Beaker. 500 ml capacity, aluminium
GN 0229	Beaker. 1000 ml capacity, aluminium

Geotechnical Testing Equipment

General Laboratory Accessories

Model No.	Description	Temp Range	Resolution	Accuracy
Lab General Accessories				
GN 0230	Vernier Calliper, 200 mm	0 to 200mm	0.1mm	±0.1mm
GN 0231	Vernier Calliper, 300 mm	0 to 300mm	0.1mm	±0.1mm
GN 0232	Digital Vernier Calliper, 200 mm	0 to 200mm	0.1mm	±0.1mm
GN 0233	Digital Vernier Calliper, 300 mm	0 to 300mm	0.1mm	±0.1mm
GN 0234	Infrared Thermometer	-20 to+350°C	1.0 °C	±1 °C
GN 0235	Hot Air dryer	+150°C		
GN 0236	Timer Clock			
GN 0237	Stop Watch			
Hot Plates				
GN 0238	Hot Plate	10cm dia	250 °C	±1 °C
GN 0239	Hot Plate	15cm dia	250 °C	±1 °C
GN 0240	Hot Plate	20cm dia	250 °C	±1 °C
Laboratory Glassware				
GN 0241	Beaker 50 ml	GN 0250	Flask, 50 ml	
GN 0242	Beaker 100 ml	GN 0251	Flask, 100 ml	
GN 0243	Beaker 250 ml	GN 0252	Flask, 250 ml	
GN 0244	Beaker 500 ml	GN 0253	Flask, 500 ml	
GN 0245	Beaker 1000 ml	GN 0254	Flask, 1000 ml	
GN 0246	Beaker 2000 ml	GN 0255	Conical Flask 100 ml	
GN 0247	Conical Beaker 100 ml	GN 0256	Conical Flask 250 ml	
GN 0248	Conical Beaker 250 ml	GN 0257	Conical Flask 500 ml	
GN 0249	Conical Beaker 500 ml	GN 0258	Conical Flask 1000 ml	

Measuring Cylinders

Model No.	Description
Measuring Cylinders	
GN 0259	Measuring Cylinder, Glass 50 ml
GN 0260	Measuring Cylinder, Glass 100 ml
GN 0261	Measuring Cylinder, Glass 250 ml
GN 0262	Measuring Cylinder, Glass 500 ml
GN 0263	Measuring Cylinder, Glass 1000 ml
GN 0264	Measuring Cylinder, Plastic 50 ml
GN 0265	Measuring Cylinder, Plastic 100 ml



Model No.	Description
Measuring Cylinders	
GM 0266	Measuring Cylinder, Plastic 250 ml
GM 0267	Measuring Cylinder, Plastic 500 ml
GM 0268	Measuring Cylinder, Plastic 1000 ml

General Laboratory Hardware

Model No.	Description
Measuring Cylinders	
GN 0269	Evaporating Dish Ø10 cm
GN 0270	Evaporating Dish Ø12 cm
GN 0271	Evaporating Dish Ø14 cm
GN 0272	Porcelain Crucible 10 ml
GN 0273	Porcelain Crucible 15 ml
GN 0274	Porcelain Crucible 25 ml
Bottles	
GN 0275	Polythene Bottle, 1 ltr
GN 0276	Polythene Bottle, 2.5 ltr
GN 0277	Polythene Bottle, 5 ltr
GN 0278	Wash Bottle, 500 ml
GN 0279	Wash Bottle, 1000 ml
General Items	
GN 0280	Glass Stirring
GN 0281	Graduated Pipette, 0.10 ml sub-divisions
GN 0282	Graduated Pipette, 0.25 ml sub-divisions
	Bulb Pipette
GN 0283	Bosshead
GN 0284	Clamp
GN 0285	Straight edge

Model No.	Description
Load Rings	
GN 0286	Clamp Boss Load Ring 1 KN
GN 0287	Clamp Boss Load Ring 2 KN
GN 0288	Clamp Boss Load Ring 3 KN
GN 0289	Clamp Boss Load Ring 5 KN
GN 0290	Clamp Boss Load Ring 10 KN
GN 0291	Clamp Boss Load Ring 15 KN
GN 0292	Clamp Boss Load Ring 28 KN
GN 0293	Clamp Boss Load Ring 50 KN

