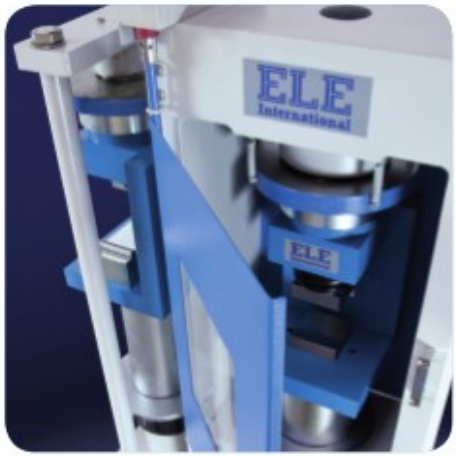
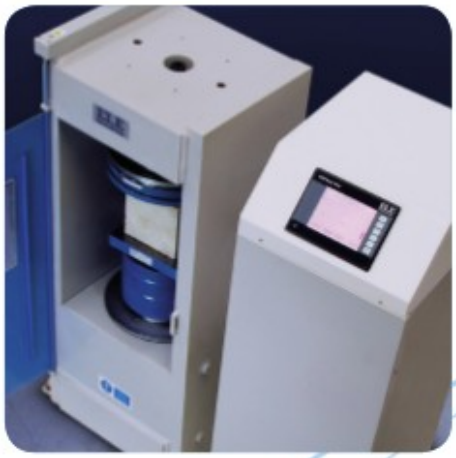


ELE International



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

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Contents

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

Contents

Pressure Pad 38mm/1.5 Inch Diameter.

Code: 25-5050
Product Group: Pressure Pads

38 mm / 1.5 Inch diameter pressure pad. The pad shall have two empty ports and will come complete with two blanking plugs, plastic tubing and connector. Suitable For both drained and undrained tests.

Standards

ASTM D2850, ASTM D4767, ASTM D7181, AASHTO T296, AASHTO T297

Rubber Membrane 38mm/1.5 Inch Diameter. Pack of 10.

Code: 25-5061
Product Group: Rubber Membranes

Rubber Membrance For 38Mm/1.5 Inch Samples (Pack Of 10).

Standards

AASHTO T296, AASHTO T297, ASTM D2850, ASTM D4767, ASTM D5084, ASTM D7181

Membrane Sealing Ring 1.5"

Code: 25-5081
Product Group: Sealing Rings

Membrane Sealing Ring 38Mm Diameter (Pack Of 10).

Suction Membrane Device 38mm/1.5 Inch Diameter.

Code: 25-5100

Product Group: Suction Membrane Devices, Suction Membrane Device

Suction Membrane Device For 38Mm/1.5 Inch Samples.

Two-Way Split Former 38mm/1.5 Inch Diameter.

Code: 25-5120

Product Group: Two-way Split Formers, Two-Way Split Formers

Two-Way Split Former For 38Mm/1.5 Inch Samples.

Porous Disc 38mm/1.5 inch Diameter. Pack of 2.

Code: 25-5181

Product Group: Accessories for CU/CU effective stress, Porous Stones

Porous disc for 38 mm/1.5 inch samples (Pack of 2).

Filter Paper Drain 38mm/1.5 inch Diameter. Pack of 50.

Code: 25-5200

Product Group: Accessories for CU/CU effective stress, Filter Paper Drains

Filter paper drain 38 mm diameter (Pack of 50).

Bladder-Type Air/Water Pressure Assembly. 1000 Kpa Maximum Working Pressure.

Code: 26-1746

Product Group: Air/Water Pressure Systems - up to 1000 kPa

With transparent plastic chamber for operating continuously at pressures up to 1000 kPa. A length of tubing is provided for connecting the air/water cylinder outlet to a pressure measuring system.

• Used to supply hydraulic pressure from a pneumatic pressure source.
• Prevents air entering the hydraulic pressure system.

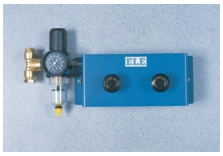
• Maximum working pressure 1000kpa.
• Supplied with connectors and tubing for fitting to pressure measuring systems.

Accessories

Nylon Tubing 30 Metre Length.

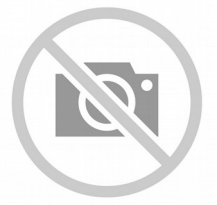
Code: 26-1769

Spares/Consumables



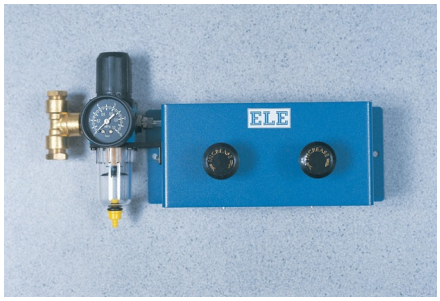
Pneumatic Pressure Reducing Panel. Provides Two Independent Pressure Outlets 1000 kPa Max.

Code: 26-1760



Replacement Bladder Wide Neck (38mm Id)

Code: 26-1746/10



Pneumatic Pressure Reducing Panel. Provides Two Independent Pressure Outlets 1000 kPa Max.

Code: 26-1760

Product Group: Air/Water Pressure Systems - up to 1000 kPa

Comprising two constant pressure reducing valves with inlet water trap and pressure indicator. The unit allows a maximum output pressure of 1000 kPa. Maximum input pressure should not exceed 1400 kPa. The panel has an inlet connector to accept Nylon tubing from the air compressor and two 6 mm outlets for connecting Bladdertype Air/Water Pressure Assemblies. An outlet connector is fitted for the connection of an additional panel using Nylon tubing to increase the total capacity of the system. This outlet is blanked off when not required.

Nylon Tubing 30 Metre Length.

Code: 26-1769

Product Group: Air/Water Pressure Systems - up to 1000 kPa

30 metre length. For pressures up to 1700 kPa. Used for connecting Air Compressors to Pneumatic Pressure Reducing Panels, or for connecting two Pressure Reducing Panels together.

Further Information

Nylon tubing 30 metres with pressure fittings.

Universal Pump and Pressure Indicating Panel 1700Kpa.

Code: 26-1880

Product Group: Modular Pressure Panel System

This is the main pressure display in the system for monitoring various pressures and also provides fine control of the pressure within the system using the rotary hand pump. The unit is fitted with a dual calibrated 250 mm diamter pressure gauge, four inlet/outlet no-volume change valves, screw controlled rotary hand pump, water reservoir and isolating valves. The unit is housed in a hinged case for wall or bench mounting. By using an isolating valve the panel may be used to monitor cell or back pressure. 1700 kPa and 250 lbf/in2.

Spares/Consumables

Pressure Gauge 1700Kpa (250Psi) 250mm Diameter.

Code: 26-1865/10

Nylon Tubing 6mm Od 3500Kpa.

Code: 26-1926

Product Group: Permeability of Rock, Volume Change Measurement

6 mm outside diameter x 4 mm inside diameter. For use up to a pressure of 3500 kPa. Priced per metre.

Distance Piece Stainless Steel for Use with Submerisble Load Cells and Axial Strain Transducers.

Code: 27-1293

Product Group: Load Measurement, Load Measurement, Submersible Load Transducers

Required when using submersible load cells.

Accessories

Submersible Load Transducer Assembly 10kN Capacity In Compression.

Code: 27-1575

Submersible Load Transducer Assembly 5kN Capacity In Compression.

Code: 27-1573

Alternatives

Submersible Load Transducer Assembly 10kN Capacity In Compression.

Code: 27-1575

Submersible Load Transducer Assembly 5kN Capacity In Compression.

Code: 27-1573

GDU 8 Channel Data Acquisition Unit 220-240 V 50/60 Hz, 1 Ph.

Code: 27-1500/01

Product Group: Data Logging with the GDU, Geotechnical Data Acquisition Unit (GDU), Automatic Data Acquisition - CBR, Automatic Data Acquisition - Triaxial, Automatic Data Acquisition - Consolidation, Automatic Data Acquisition - Direct Shear

The GDU is a stand-alone, multi-tasking, multi-channel data logger, that is reliable and powerful, enabling it to co-ordinate test data from the range of ELE transducers required for various test methods.

The ELE Geotechnical Software package (DS7.1 and following), in conjunction with the GDU and a range of transducers, are the two central components required to create a modern turnkey soil testing system. Being fully modular it can be adapted to a wide range of soil testing laboratory configurations.

• For performing CBR, Consolidation, Direct/Residual Shear and Total & Effective Stress Triaxial tests
• 8 Channels expandable to 32 for performing multiple, concurrent tests for cost savings
• Independent signal conditioning on each channel to maintain data accuracy
• Field-upgradeable software, meaning no downtime for future software and functionality upgrades
• PC link via RS232 (DS7.1 only), or RS232 and Ethernet P2P/LAN (with DS7.2 and following)

• Extended warranty

Specification

Case	Aluminum, free standing; houses power supply, analog to digital conversion module and an 8-channel analog input module with transducer energization.
Sockets	Standard 5-pin DIN type.
Input Range	± 5 volts to ± 10 mV full scale.
Transducer Supply	10vDC.
Dimensions	12.8” w. x 14.3” d. x 6.1” h. (325 x 363 x 155 mm).
Weight	Net 14.08 lbs. (6.4 kg).

Accessories

8-Channel Expansion Analog Input Module

Code: 27-1505

USB to Serial Adapter

Code: 27-1701

Alternatives

GDU 8 Channel Data Acquisition Unit 100-120 V 60 Hz

Code: 27-1500/02

RS232/USB Cable, GDU

Code: 27-1510

Submersible Load Transducer Assembly 5kN Capacity In Compression.

Code: 27-1573

Product Group: Load Measurement, Load Measurement, Submersible Load Transducers

•Eliminates effects of piston friction on readings
•Unaffected by cell confining pressures
•Easily installed in triaxial cell
•Supplied complete with calibration certificate and 5-pin DIN type connector for use with GDU

Submersible Load Transducers are used to measure accurately the axial loads applied to triaxial test specimens. Consisting of a load cell and piston assembly these units replace the standard triaxial cell loading piston. A major advantage is that these transducers measure loads directly on top of the specimen. All transducers are supplied complete with a 5-pin DIN type connector and calibration certificate.

Specification

Dimensions	75 x 50 mm (dia x h) excluding piston and adaptor
Overload capacity	150%
Output	26 mv full range
Excitation	10 V DC (15 V DC max)
Non-linearity	0.1% maximum
Hysteresis Deflection	0.1% maximum 0.05 mm at full load
Side force	50% full scale maximum without effect
Connector	5-pin DIN plug
Compensated temperature range	0 to 50°C
Weight g	850

Accessories

Distance Piece Stainless Steel for Use with Submerisble Load Cells and Axial Strain Transducers.

Code: 27-1293

Submersible Load Transducer Assembly 10kN Capacity In Compression.

Code: 27-1575

Alternatives

Distance Piece Stainless Steel for Use with Submerisble Load Cells and Axial Strain Transducers.

Code: 27-1293

Submersible Load Transducer Assembly 10kN Capacity In Compression.

Code: 27-1575

Axial Strain Transducer Assembly 50mm Travel Fitted with 5 Pin Din Plug.

Code: 27-1617

Product Group: Axial Displacement, Axial Displacement, Displacement Transducers

0 to 50 mm range. For use with Triaxial Cells.
•Ideally suited for use with GDU for accurate displacement measurements
•Models available for use in consolidation, shear, CBR and triaxial test applications
•Supplied complete with mounting hardware for specified products

Displacement Transducers are used in consolidation, shear, CBR and triaxial test applications for accurate displacement measurements. They are supplied complete with a 5-pin DIN type connector for direct connection to the GDU.

Specification

Construction	Fully encapsulated electronics, sealed in a stainless steel case
Excitation	10V DC
Connector	5-pin DIN type
Mounting bracket	Included as standard
Weight kg	0.45

Accessories

Horizontal Displacement Transducer Assembly 15mm Travel 5 Pin Din Plug Mounting Pillar

Code: 27-1697

Vertical Displacement Transducer Assembly 15mm Travel with 5 Pin Din Plug Bracket for Shear Box

Code: 27-1689

Spares/Consumables

CBR Displacement Transducer

Code: 27-1706

Alternatives

Horizontal Displacement Transducer Assembly 15mm Travel 5 Pin Din Plug Mounting Pillar

Code: 27-1697

Vertical Displacement Transducer Assembly 15mm Travel with 5 Pin Din Plug Bracket for Shear Box

Code: 27-1689

Pressure Transducer Assembly 1700Kpa Fitted with 5 Pin DIN Plug.

Code: 27-1633

Product Group: Pressure Measurement, Tri-Flex 2 One-Cell Permeability Test System, Pressure Transducer

Pressure Transducers are used to measure the cell, pore and back pressures during triaxial testing. Assemblies are supplied complete with a de-airing block, valve, 5-pin DIN plug connector and calibration certificate

Specification

Construction	Stainless Steel
Excitation	10 V DC
Output	143 mV full range
Thread	¼“ BSP

Volume Change Transducer Assembly 80ml Capacity Maximum Working Pressure 1700KPa

Code: 27-1641

Product Group: Volume Change Measurement, Tri-Flex 2 One-Cell Permeability Test System, Volume Change Measurement, Volume Change Transducer

•Reversing valves to increase capacity
•Steel case for wall mounting and access to piping
•Supplied complete with calibration certificate

The Volume Change Transducer provides continuous measurements of volume change during the triaxial test. The assembly includes a valve to reverse the flow through the unit, providing increased capacity.

Specification

Maximum Pressure	250 psi (1,700 kPa).
Excitation	10V DC.
Output	1.25 Volts full range.
Capacity	80 cc x 0.1 cc sensitivity.
Case	Steel; hinged for access to piping.
Connector	5-Pin DIN type.
Overall Dimensions	9” w. x 7” d. x 14 -1/2” h. (229 x 178 x 368 mm).
Weight	Net 11 lbs. (5 kg).

DS7.2 Undrained Triaxial Shear Strength Program for Windows 7, 32/64 bit

Code: 27-1753

Product Group: DS7, DS7.2 Quick Undrained Triaxial Software, Automatic Data Acquisition - Triaxial

- Options for single or multi-stage testing on a sample
- Mohr circles produced for graphical analysis

Options are available for a single test on one sample, standard three-sample procedure with linking of the results, or for a multi-stage test on one sample. Load and strain are monitored through transducers. Various printouts and graphical plots are available including basic sample data, moisture content and density. The program tabulates shearing data and plots stress against strain. Mohr circles are produced for graphical analyses.

DS7.2 CU/CD Triaxial Shear Strength Program for Windows 7, 32/64 bit

Code: 27-1763

Product Group: DS7, DS7.2 CU/CD Effective Stress Triaxial Software

• Complete package for consolidated drained and consolidated undrained triaxial tests

This advanced package includes procedures for consolidated drained and consolidated undrained tests. Standard options are available for saturation, consolidation and shearing with automatic monitoring of the various parameters through transducers linked to the system. Load, strain, volume-change, pore-pressure, cell pressure and back pressure can all be monitored. Various prints and graphical plots are available to the engineer and include saturation data such as pore pressure build-up and B values, consolidation, volume change against time, shearing load versus strain with pore pressure monitoring.

6mm Elbow Connector.

Code: 26-1928
Product Group: Volume Change Measurement

6mm T Connector.

Code: 26-1930
Product Group: Volume Change Measurement