



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

This wishlist was generated on 05/05/2017, and contains the following Products:

27-1620

Digital Pressure Gauge 1700Kpa. for Ele Triaxial Cells.

26-1928

6mm Elbow Connector.

27-1500/01

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

27-1551

S-Type Load Cell 5 kN.for Triaxial Tests. Fitted with 5 Pin Din Plug.

27-1617

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

27-1633

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

27-1753

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



Digital Pressure Gauge 1700Kpa. for Ele Triaxial Cells.

Code: [27-1620](#)

Product Group: [Oil/Water Constant Pressure System](#),
[Pressure Measurement](#), [Digital Pressure Gauge](#)

For ELE Triaxial Cells. The Digital Pressure Gauge offers highly accurate pressure measurement and digital readout for ELE triaxial cells.

Standards

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

Specification

Capacity	250 psi (1,700 kPa).
Display	LCD.
Display Units	PSI, kPa, MPa.
Accuracy	Better than 1% of indicated pressure.
Read Rate	Two samples per second.
Power Supply	3 volt battery, CR 2340 type.
Battery Life	1400 hours continuous operation.
Dimensions	2.30" w. x 1.25 " d. x 3.75" h. (59 x 32 x 95 mm.)
Weight	Net 1/4 lb. (125 g).



6mm Elbow Connector.

Code: [26-1928](#)

Product Group: [Volume Change Measurement](#)



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), 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
- 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](#)



S-Type Load Cell 5 kN.for Triaxial Tests. Fitted with 5 Pin Din Plug.

Code: [27-1551](#)

Product Group: [Load Measurement, Load Measurement](#)

- Repeatability better than $\pm 0.02\%$ of rated output
- Non-Linearity better than $\pm 0.03\%$ of rated output
- Supplied complete with 5-pin DIN type connector for connection to GDU

Ideally suited for a wide range of applications, ELE S-type load cells provide high accuracy and minimum deformation. Various models are available, with the necessary adaptors, for use with ELE Triaxial Load Frames, Multiplex 50/Marshall Test 50/CBR Test 50 and Direct Shear machine.

Accessories



50kN S-type Load Cell

Code: [27-1559](#)



S-Type Load Cell 10 kN.for Triaxial Tests. Fitted with 5 Pin Din Plug.

Code: [27-1553](#)



S-Type Load Cell 25 kN.for Triaxial Tests. 27-1293 required separately.

Code: [27-1555](#)



S-Type Load Cell 5 kN.for Use with Direct/ Residual Shear Machine. Fitted with 5 Pin Din Plug.

Code: [27-1561](#)

Alternatives



50kN S-type Load Cell

Code: [27-1559](#)



S-Type Load Cell 10 kN for Triaxial Tests. Fitted with 5 Pin Din Plug.

Code: [27-1553](#)



S-Type Load Cell 25 kN for Triaxial Tests. 27-1293 required separately.

Code: [27-1555](#)



S-Type Load Cell 5 kN for Use with Direct/ Residual Shear Machine. Fitted with 5 Pin Din Plug.

Code: [27-1561](#)



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	1/4" BSP



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.