



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

This wishlist was generated on 07/04/2016, and contains the following Products:

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25-3518/01

**Digital Tritest 50**

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27-1559

**50kN S-type Load Cell**

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24-9183

**Cbr Penetration Piston (Adjustable).**

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27-1300/01

**DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz**

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27-1798

**DS7.2 California Bearing Ratio (CBR) Penetration Program for Windows 7, 32/64 bit**

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78-0060

**Clamped Boss Load Ring - 2.0 kN**

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25-3650

**Unconfined Compression Platens. for Use on Ele Load Frames Max Sample Dia 95mm.**

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27-1753

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

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## Digital Tritest 50

Code: 25-3518/01

Product Group: Digital Tritest 50 Load Frame, Load Frames

- Microprocessor control
- Large on-board LED screen display
- Direct entry via a touch sensitive keyboard
- Rapid approach and return to datum of platen
- Fully variable speed, 0.00001 to 9.99999 mm/min
- Samples up to 100 mm diameter

This 50 kN capacity machine, designed primarily for triaxial testing of soil specimens up to 100 mm diameter x 200 mm long, comprises a rigid twin column construction with an integral fully variable microprocessor controlled drive unit and LCD display with a touch sensitive keyboard. The machine is normally bench mounted for ease of installation and operation.

The use of a microprocessor controlled drive system and keyboard entry provides the Digital Tritest 50 with a wide variety of features which include pause and speed reset during test, RS 232C, operator programming of speed and control functions, self test diagnostics and many other features.

A robustly constructed steel case houses the motor drive system with careful attention being given to the prevention of ingress of water or grit. All operating controls are mounted on the front panel of the machine, which is angled and recessed to prevent physical and environmental damage.

## Standards

BS 1377-7, BS 1377-8, BS 1924-2, ASTM D1883, ASTM D2166, ASTM D2850, ASTM D4767, ASTM D7181, AASHTO T99, AASHTO T134, AASHTO T135, AASHTO T136, AASHTO T180, AASHTO T193, AASHTO T208, AASHTO T296, AASHTO T297

## Further Information

Complete with RS 232C interface.

## Specification

|                        |                           |
|------------------------|---------------------------|
| Dimensions (l x w x h) | 500 x 500 x 1470 mm       |
| Max vertical clearance | 910 mm                    |
| Horizontal clearance   | 364 mm                    |
| Platen diameter        | 133 mm                    |
| Platen travel          | 100 mm                    |
| Platen speed range     | 0.00001 to 9.99999 mm/min |

# Product Sheet

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|                      |   |
|----------------------|---|
| Rapid approach speed | 25 mm/minute  |
| Weight kg            | 140   |
| Capacity             | 12 ,200 lbf. (50 kN).   |
| Speed Range          | English mode: 0.000001 to 0.399999 in/min.<br>Metric mode: 0.00001 to 9.99999 mm/min. |
| Rapid Approach Speed | 2.0 in/min. (50 mm/min.).   |
| Platen Travel        | 3.9" (100 mm); limit switch protection.   |
| Vertical Clearance   | 36 .8" (910 mm) maximum; 12 " (305 mm) minimum.                                       |
| Horizontal Clearance | 15 .3" (364 mm).  |
| Serial Interface     | RS232 C; programmable baud rate and protocol.   |
| Overall Dimensions   | 19.7" w. x 19.7" d. x 57.8" h. (500 x 500 x 1,470 mm).                                |
| Weight               | Net 220 lbs. (100 kg); Shpg. 300 lbs. (136 kg).                                       |



## 50kN S-type Load Cell

Code: [27-1559](#)

Product Group: [Force measurement, Load Measurement, Electronic Instrumentation](#)

Maximum working capacity of 50 kN and excitation 10 V ac/dc with an output of 2.7 mV/V nominal. Aluminium alloy and stainless steel construction with IP65 environmental protection.

## Standards

EN 12697-34

## Further Information

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



## Cbr Penetration Piston (Adjustable).

Code: [24-9183](#)

Product Group: [In-situ CBR](#), [Conversion of In-situ to Laboratory CBR](#), [Penetration and measurement](#)

As 24-9182 but with a coarse stem adjustment. This piston is particularly useful for in-situ testing.



## DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz

Code: [27-1300/01](#)

Product Group: [Electronic Instrumentation, Data Logging with the DSU, Data Logging with the DSU](#)

- Download the full brochure here [\[../../../../Page/the-new-dsu\]](#)
- 4 channel automatic control and data-logging unit
- Automatic, dual-frame control
- Performs CBR, Marshall, Unconfined Compression, Direct and Residual Shear, One-Dimensional Consolidation, Unconfined Undrained, Consolidated Drained and Unconsolidated Drained tests
- LAN connection - software can be running anywhere on your server
- Never lose data from power fails - 2 gigabytes of non-volatile memory
- Extended warranty

The Data System Unit (DSU) is a versatile instrument designed to accommodate the general logging requirements of geotechnical and materials testing engineers. Its intelligent interface allows the user to work with a range of different sensors.

### Further Information

Become a member of the ELE International web site, add this new product to a wishlist to receive a quote! Click here [\[../../../../Login\]](#)

Please note that this product is not yet available in the USA, we will let you know as soon as it is ready!





## **DS7.2 California Bearing Ratio (CBR) Penetration Program for Windows 7, 32/64 bit**

Code: [27-1798](#)

Product Group: [DS7, Automatic data acquisition,](#)  
[DS7.2 CBR Penetration Software](#)

This program provides the classical data for the CBR test. Load and penetration are monitored simultaneously. The program tabulates the results and provides a graphical presentation report.





## Clamped Boss Load Ring - 2.0 kN

Code: 78-0060

Product Group: Clamped Boss Load Rings, Digital  
Tritest 50 Load Frame, Direct/Residual Shear  
Apparatus, Proving Rings, Force measurement,  
Measurement of Load (Shear Stress)

## Standards

BS 1377, ASTM D3080

## Specification

|  |                 |
|--|-----------------|
| Capacity: kN, kgf, lbf                                 | 2.0, 200, 450   |
| Typical Design sensitivity:<br>N/div, kgf/div, lbf/div | 1.3, 0.13, 0.30 |
| Overall height mm                                      | 248             |
| Approx weight kg                                       | 3.2             |
| Capacity   | 2 kN            |
| Value of CBR   | Up to 8%        |
| Capacity - lbf   | 450             |
| Capacity - kN  | 2               |
| Capacity - kgf   | 200             |
| Typical Design Sensitivity -<br>lbf/div                | 0.3             |
| Typical Design Sensitivity -<br>kN/div                 | 1.3             |
| Typical Design Sensitivity -<br>Kgf/div                | 0.13            |
| Overall Height   | 9.76" (248 mm)  |
| Approx Weight  | 7 lbs. (3.2 kg) |

## Spares/Consumables



### Spare Dial Indicator for Load Rings

Code: 78-5461



## Unconfined Compression Platens. for Use on Ele Load Frames Max Sample Dia 95mm.

Code: [25-3650](#)

Product Group: [N/A](#)

### Standards

ASTM D2166, AASHTO T208, BS 1377, BS 1924, EN 13286-47, ASTM D1883, AASHTO T193



## 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](#)

- 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.