



## DS7 Quick Undrained Triaxial Software

- Tests are run with step-by-step instructions selectable between BS and ASTM/AASHTO standards
- Automatic Report Generation in accordance with BS and ASTM/AASHTO standards (MS Word required).
- Real-time graphical outputs both to screen and printer as required during test
- Compatible with Windows operating systems from Windows 95 onwards
- Options for single or multi-stage testing on one sample
- Mohr circles produced for graphical analysis

### Ordering Information

#### EL27-1750

**Quick Undrained Triaxial Software.** 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 analysis.

## DS7 CU/CD Effective Stress Triaxial Software

- Tests are run with step-by-step instructions selectable between BS and ASTM/AASHTO standards
- Automatic Report Generation in accordance with BS and ASTM/AASHTO standards (MS Word required)
- Real-time graphical outputs both to screen and printer as required during test
- Compatible with Windows operating systems from Windows 95 onwards
- Complete package for consolidated drained and consolidated undrained triaxial tests

### Ordering Information

#### EL27-1760

**CU/CD Effective Stress Triaxial Software.** 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.

## DS7 Permeability in a Triaxial Cell Software

- Tests are run with step-by-step instructions as required by BS 1377
- Automatic Report Generation in accordance with British Standards (MS Word required)
- Compatible with Windows operating software systems from Windows 95 onwards
- Comprehensive 'Help' screens included.
- Clear test information presented on screen display

### Ordering Information

#### EL27-1765

**Permeability in a Triaxial Cell Software (BS 1377).** This program provides data for the determination of permeability of soil specimens using a triaxial cell and two volume change units in accordance with BS 1377.

## DS7 One-dimensional Consolidation Software

- Tests are run with step-by-step instructions selectable between BS and ASTM/AASHTO standards
- Automatic Report Generation in accordance with BS and ASTM /AASHTO standards (MS Word required)
- Real-time graphical outputs both to screen and printer as required during test
- Tests can be performed using SI, imperial or metric units
- Automatic compensation for frame deformation

### Ordering Information

#### EL27-1770

**One-dimensional Consolidation Software.** DataSystem Consolidation Software provides all basic functions needed to record and analyse consolidation test data. Options are available for monitoring settlement on a log time or square-root time basis. Printouts and graphical plots are available for all stages including  $M_v$  and  $C_v$  moisture content, voids ratio plots, and initial sample conditions.

## DS7 Direct/Residual Shear Software

- Tests are run with step-by-step instructions selectable between BS and ASTM/AASHTO standards
- Automatic Report Generation in accordance with BS and ASTM /AASHTO standards (MS Word required)
- Real-time graphical outputs both to screen and printer as required during test
- Compatible with Windows operating systems from Windows 95 onwards
- Options for both quick undrained and drained shear tests
- Single or Multiple stages
- Automatic compensation for frame deformation

### Ordering Information

#### EL27-1790

**Direct/Residual Shear Software.** This unique package provides test options for quick undrained or drained shear tests with the user selectable option of residual testing. Individual test results can be linked together to produce the Coulomb Envelope. Printouts and plots are available for sample description and basic test data such as moisture content, etc. Real-time plots of settlement, shear versus displacement and vertical displacement during shearing is readily available via the computer screen or printer.

## DS7 CBR Penetration Software

- Two tests can be combined under the summary report for top and base of sample test results
- Tests are run with step-by-step instructions selectable between BS and ASTM/AASHTO standards
- Automatic Report Generation in accordance with BS and ASTM /AASHTO standards (MS Word required)
- Real-time graphical outputs both to screen and printer as required during test
- Compatible with Windows operating systems from Windows 95 onwards

### Ordering Information

#### EL27-1795

**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.