

ACONS Pro Triaxial System

Related Standards

British	BS1377-7 & 8 (1990), BS EN ISO 17892-9-2018-CU-CD
American	ASTM D1883-07, D2850-03A, D4186-06, D4767-11, D6927-06, D2166/2166M-13
Australian	AS1289.6.4.1, 1289.6.4.2
Hong Kong	GEOSPEC 3

The ACONS Pro Triaxial System is capable of providing fully automatic total and effective Triaxial testing including Consolidated Drained (CD), Consolidated Undrained (CU) and Unconsolidated Undrained (UU), as well as Stress Path testing for sample sizes up to 50 mm and Loads up to 15 kN. The Pro Dual Automatic Pressure Controller is used to control and measure both Cell and Back Pressure and Volume.

Both the ACONS Pro Load Frame and Pro Dual APC can be connected via Ethernet or USB to a PC or Laptop running our renowned Clisp Studio software, which provides all the necessary test configuration, control, data acquisition and results export. Once the Test has been completed, numerous different reports can be generated for analysis.

Features

- USB or Ethernet Interface for PC control
- Integrated 7" Touchscreen Colour Displays for Standalone use without PC Control if required
- On-board data logging with large data storage (up to 14 million records) using SD card (8GB standard)
- Data export to PC for manipulation within Excel
- High Speed ARM Processor
- Includes 15 kN Load cell
- High Speed sensor conversion (24 bit, up to 4000 samples/sec)
- Up to 5 input channels (1 x digital & 4 x analogue)
- Built-in live data table and graphs
- Auto reverse from limit switch activation
- Built-in auto protection for sensor limits

Advanced Feature for the Frame

With additional components, the Frame is capable of

- **Constant Rate of Strain testing**
- **Soil Water Characteristic (SD-SWCC Testing)**
- **Consolidation Testing**



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Ordering Information

Main System Components

VJT0650M2-P	ACONS Pro Multi-Purpose Load Frame
VJT2267D-P	Pro Dual Automatic Pressure Controller (3500 kPa per channel)
VJT0549	Triaxial Cell (50 mm)

Transducers

VJT0271	LSCT Displacement Transducer (25 mm)
VJT0260-G	20 bar Pressure transducer with cable & plug

Accessories

VJT0280	De-airing block with valve for pressure transducer
VJT0280-SOL	Automatic Solenoid Valve
VJT0520-DP	APC Water Distribution Panel (2-way)
VJT0561	Top Cap for 50 mm sample (35 mm and 38 mm sample sizes also available)
VJT0560	Base Ped for 50 mm sample (35 mm and 38 mm sample sizes also available)

VJT0281C	Bracket for LSCT Transducer
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Software

VJT-csSPATH	Clisp Studio Triaxial Software
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