

Triaxial Testing Apparatus

(For Dynamic Test & Static Test)

Model No. DTC-367



(Reference Photograph)

Specification

1. Triaxial Cell

1PC.

Air bushed piston of extremely small friction

- 1) Specimen Size: Dia. 50mmX100mm
- 2) Lateral Pressure Capacity: Max. 1MPa
- 3) Axial Loading Capacity: 5kN

(Equipped with Water-proof and Pressure-proof Load cell 2kN)

2. Vertical Pressure Loading Unit with Air & Water Panel

1SET

- 1) Static Vertical Loading: Electric Strain Control by Mechanical jack, Capacity 5kN (0.002 - 2 mm/min. Step-less variable type)
Electric power source: AC Single phase local voltage
- 2) Dynamic Vertical Loading: Stress Control by Pneumatic bellofram cylinder, Capacity 2kN
- 3) Lateral & Back Pressure Loads: Both 0 - 1MPa by Air regulators, Manual operation



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- 4) Volume Change Apparatus: Double tube burette type 25ml
- 5) Master Gauge: Dia.200× 1MPa, Min. div. 1/500

3. Pneumatic Sine Loader

1UNIT

- 1) Electric-Pneumatic pressure conversion type & Loading control type
- 2) Range of Vibration: 0.001 - 2 Hz
- 3) Loading Wave: Sine wave
- 4) Setting of Load: Both Static Bias & Dynamic loading are 1000 Division Potentiometer type
- 5) Loading Number of Times: Random Preset type with 6 Figures Digital Counter
- 6) Pneumatic Pressure Capacity: 1MPa
- 7) Electric Power Source: AC Single phase local voltage

4. Transducer & Amplifier

1SET

Transducer

- 1) Inner Load Cell: 2kN
- 2) Large Vertical Displacement Transducer: 25mm
- 3) Pore Water Pressure Transducer: 1MPa
- 4) Lateral Pressure Transducer: 1MPa
- 5) Volume Change Transducer: 25ml

Amplifier

- 6) Amplifier suitable for the above converter: 5ch.

5. Accessories

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|---|--------------|
| 1) Split type Mould for Cohesionless soil, for Dia. 50mm X100mm | 1PC. |
| 2) Mould for Cohesive soil, for Dia.50mm | 1PC. |
| 3) Miter Box for Dia. 50mmX100mm | 1PC. |
| 4) Rubber Membrane for Dia. 50mm | 10PCS |

6. Option

- 1) Desktop Computer
- 2) Display
- 3) Printer
- 4) A/D Converter
- 5) Software for DTC-367 (English)
- 6) Small Vertical Displacement Transducer & Amplifier
- 7) Air Compressor
- 8) Vacuum Pump