

Rock Creep Testing System (RCT-2000)



- 2,000 kN (450 kip) load capacity
- Compressed air/oil system for uninterrupted testing
- Battery powered data acquisition
- Available options: axial & circumferential deformation measurement system, platens with ultrasonic transducers, and high/low temperature control subsystem
- Adjustable cross-head design
- Accepts GCTS High Pressure triaxial cell & other testing components
- Ideal for performing long-term loading tests
- Economical “turn-key” systems built to customer specifications

DESCRIPTION

GCTS RCT-2000 Rock Creep Testing Systems is designed for performing long term tests without requiring a continued

power input. It operates with only 800 kPa (100 psi) air pressure with minimum flow. This system can operate for several days without power, using a compressor with a large tank. The RCT-2000 includes a load and deformation digital indicators as well as an analog gage to read the applied load. Software and a USB based data acquisition are also provided to easily interface with a laptop for recording test data.

On-specimen deformation instrumentation can also be provided as well as triaxial cells and other testing components.

SPECIFICATIONS

Compression load capacity 2,000 kN
Stiffness 700 kN/mm
Stroke 100 mm
Distance between columns 400 mm
Distance between platens 600 mm
Air pressure input 800 kPa

SHIPPING

Weight 1,700 kg
Dimensions (meters) 1.2W x 2D x 2H