

Quick High Pressure Triaxial Cell (HTRX-010)



- 35 MPa (5,000 psi) pressure and 500 kN (100 kips) axial load capacity
- Quick “drop-in” specimen setup
- Axial and Radial Strain measurements.
- Upper platen provided with a spherical seat to compensate for non-parallel specimen ends.
- Hardened stainless steel construction.
- Accepts samples with a diameter of 25 mm (1 inch) or 38 mm (1.5 inch) and with a length of 2 times the diameter (one different set of platens and membrane retainer is required for each size)

DESCRIPTION

The GCTS Quick Triaxial Cell (HTRX-010) is designed for fast and easy testing of rock cores with a diameter of 25 mm (1 inch) or 38 mm (1.5 inch). The triaxial cell has a built-in membrane where specimens are simply dropped inside from the top. Three lateral actuators instrumented with LVDTs that are pressure compensated ensure a firm contact with the specimen to precisely measure the radial strains. The LVDTs eliminate the time-consuming task of gluing strain gauges onto the specimen to measure radial strains. Axial strains are measured with two averaging vertical LVDTs.