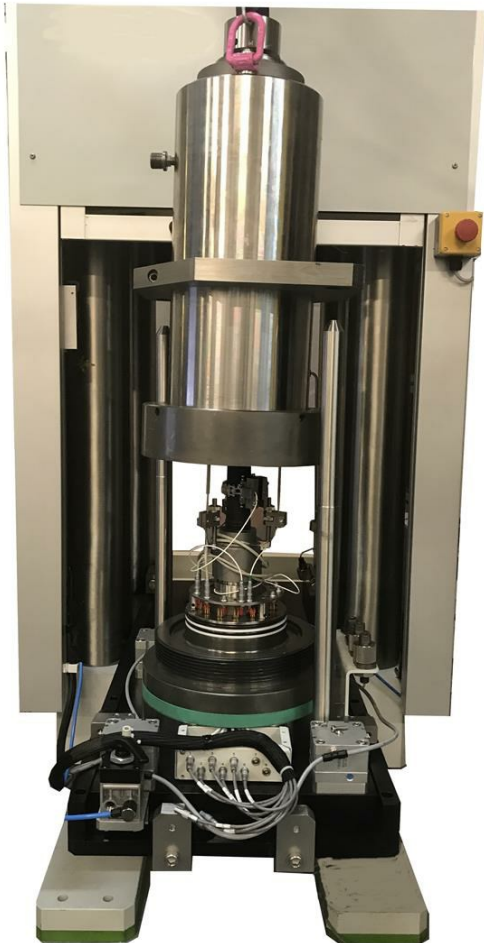




Your supplier of high pressure laboratory instruments

PC-SERIES PASSIVE TRIAXIAL CELL



The PC-series triaxial cell functions as a specialized chamber designed to apply both axial and radial compressive forces on cylindrical rock samples. This dual-directional stress is achieved by exerting a surrounding confining pressure alongside an axial force. To operate, the cell needs to be situated within a specialized axial load frame. Within the cell, the rock sample is encased in a Teflon sleeve and sandwiched between hardened steel end caps. This setup is then submerged in pressurized oil for confinement. Built-in electrical connectors at the base of the cell enable the addition of internal measurement instruments, such as devices for tracking axial and radial deformations, ultrasonic platens, and various specialized transducers. The cell's design incorporates top and bottom ports for conducting pore pressure tests on both the upper and lower platens. The unit comes equipped with a low-friction loading piston and offers the option for various sizes of platens, pistons, and extra electrical connectors for tailored testing requirements. Additionally, a heating system can be included in the cell if needed.

Specifications

Maximum cell pressure	70 / 140 MPa
Specimen diameter	model 1: up to 54.7 mm (NX) model 2: up to 100 mm
Specimen length	twice the diameter
Temperature	ambient to 150°C (optional)
Pore pressure port	1/8 inch LP
Confining port	1/4 inch HP
Sleeve material	Teflon
Wetted part material	Stainless steel

Easy to operate

Models available for different specimen sizes

High pressure, high temperature capability

ASTM-compliant

