

BenchLab 7200 Velocity System

The BenchLab 7200 Velocity System available with temperature, liquid and gas pore pressure. Temperature systems are floor models designed to measure petrophysical rock properties at reservoir pressures in a compact modular setup. This is a perfect system for Universities due to the size and ease of use.

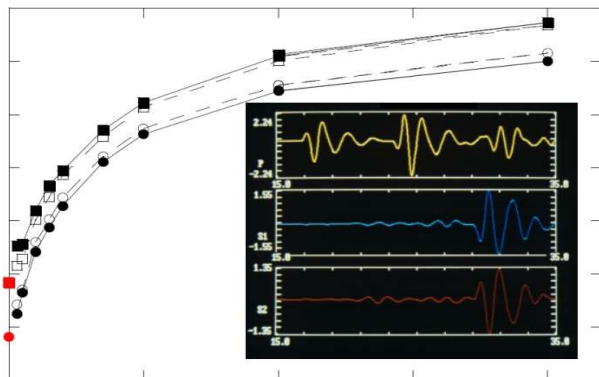
Velocity Module

The Ultrasonic Velocity Module, based on NER's PS2 velocity design, permits routine measurements of compressional and orthogonally polarized shear waves propagating along the core axis at effective pressures up to 10,000 psi.

The Ultrasonic Velocity Module allows for pressure dependent dynamic mechanical properties to be quantified and provides a valuable tool in any multi-core plug workflow for anisotropy characterization.

Data Integration

The BenchLab is an integrated rock properties test platform. By combining multiple property measurement modules with variable confining pressures.



Example data set of ultrasonic velocity as a function of hydrostatic stress



Key Features

- Compressional and two orthogonally polarized shear velocities as a function of effective pressure
- Core to log calibration



NER

BenchLab 7200 Velocity

Specifications

- 1-inch or 1.5-inch diameter samples
- Center frequency: 500 kHz to 1 MHz
- Computer controlled measurements
- Confining pressure: 400 psi to 10,000 psi
- Liquid pore pressure to 10,000 psi
- Gas pore pressure to 2,000 psi
- Temperatures available up to 200° C

