

The Core Lab Instruments Division



Core Lab Instruments manufactures and supplies a wide range of laboratory instrumentation for the petroleum industry. Designed with the benefit of Core Laboratories' experience as the industry's foremost provider of research and laboratory testing services, these precision instruments address the industry's most exacting requirements. Core Lab Instruments specializes in providing custom solutions to our clients' experimental needs.

To enhance your investment, we also provide intensive training in the operation and use of all our equipment and offer annual equipment maintenance contracts.

Our systems provide key data for reservoir optimization

Our laboratory instruments are divided into five categories by function:

- Routine Rock Properties
- Advanced Rock Properties
- Drilling and Stimulation Properties
- Reservoir Fluids Systems
- Teaching Instruments

Routine Rock Properties

Routine Rock Properties instruments measure the properties of core samples, providing a physical model for reservoir characterization. The measured data are used to define storage capacity (porosity), the magnitude and distribution of flow capacity (permeability), and fluid saturation, as well as lithology and other parameters. This product category includes instruments and systems for rock properties measurement, for imaging and preservation of cores, and for measurement of rock properties at the well site.

Advanced Rock Properties

Advanced Rock Properties instruments and systems are designed to measure rock properties at reservoir temperature and pressure conditions. These measurements help define the reserves in place and predict future performance of the reservoir.

Static test systems define the fluid distribution in the reservoir and allow calibration of downhole log and seismic (acoustic) data. They also provide information on the mechanical properties of producing horizons.

Flow characterization instruments and relative permeability systems predict the future performance of a reservoir under various production mechanisms. Core Lab Instruments is the recognized leader in the integration of in-situ saturation monitoring devices into core flow systems.

Reservoir-conditions testing with Core Lab's specialized systems provides critical information for inclusion in reservoir simulations and reserve calculations.



Automated Centrifuge



AFS 300



Ambient Resistivity System



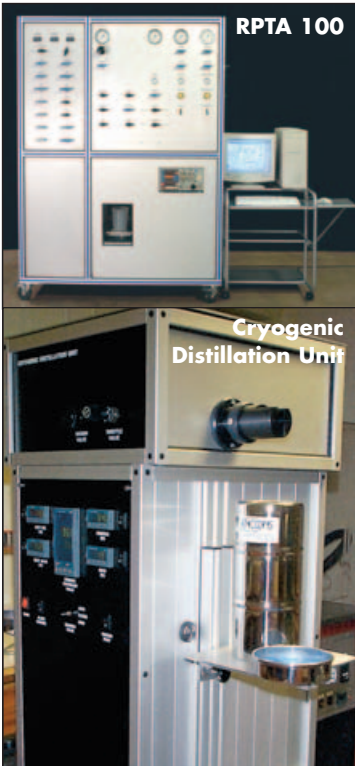
Ultrascan CT System



UltraGrain



AVMS-350



Drilling and Stimulation Properties

Drilling and Stimulation Properties systems can simulate wellbore conditions in the laboratory to help evaluate completion products and chemical additives under actual downhole conditions, allowing products to be tailored to specific reservoirs. These systems support the design of effective well completion programs that optimize productivity.

Reservoir Fluids Systems

Reservoir Fluids systems provide analytical equipment in which specialized measurements are available to determine asphaltene and wax depositions measured at both reservoir and production conditions. Comprehensive analyses yield fluid characteristics of black oils, volatile oils, and gas condensates.

Enhanced oil recovery and phase behavior studies address multi-contact and miscibility concerns.

Teaching Instruments

Teaching Instruments are based on actual theories and practices used in the oil industry and are specifically designed to assist universities and other institutions in hands-on instruction. Our state-of-the-art instruments

are forgiving in their operation and walk the student through the measurement process with structured transparency. Our learning-focused design allows students to build on their basic knowledge of petrophysics.

We can train your personnel to optimize performance

Training courses and seminars can significantly enhance your instrumentation investment. Our training is based on a “technology transfer” approach that combines theory and hands-on application.

Time spent at Core Laboratories’ Advanced Technology Center and our manufacturing facility provides valuable sights to how laboratories generate accurate, usable data. Our unique, hands-on training method stresses a complete-solution approach that ensures better laboratory operations and optimized application of data to reservoir management.

From new courses to customized programs, we can provide the training to meet your specific needs.

Instrumentation Pricing

All instrument prices are quoted on request. Many of our instruments are available with optional features that allow customization to your specific applications. When you request a quote, we will promptly contact you to determine your testing process and the appropriate equipment configuration.

For More Information

For a complete overview of our products and services, visit our website at www.corelab.com, or contact us at 713-328-6166 (phone) or 713-328-2174 (fax).

