



CEMENT TESTING EQUIPMENT

For over 30 years OFI Testing Equipment (OFITE) has provided instruments and reagents for testing drilling fluids, well cements, completion fluids, and wastewater. In addition to these product lines we also offer a range of instruments for core analysis. From our manufacturing facility in Houston, TX we provide customers all over the world with quality products and exceptional service.

Our cement product line includes innovative designs such as the Static Gel Strength Measurement Device (SGSM), which showcases our ability to develop new technology to meet customer and industry demands. We also offer Ultrasonic Cement Analyzers (UCA), Constant Speed Blenders, Automated HTHP Consistometers, and all other instruments required to evaluate cement properties according to API Specification 10.

As an independent manufacturer and supplier, OFITE has one priority, our customers.

Automated Curing Chamber

The Automated Curing Chamber is used to prepare well cement specimens for compressive strength tests. It is necessary to determine the amount of time required for a cement to develop compressive strength so that drilling/production operations can be resumed as quickly as possible. The goal is to design a slurry that can quickly develop compressive strength so that the "waiting on cement" time may be minimized. The Automated Curing Chamber provides a means of curing cement specimens under typical down-hole temperatures and pressures.



Features

- Creates 2" cement cubes according to API guidelines
- Touch-screen display controls temperature and pressure
- Custom test profiles can include multiple temperature and pressure ramps
- Cooling system quickly cools the test cell automatically
- Dual compression mold meets ASTM standard C-109
- Optional Expansion Module uses a linear transducer inside the wall of the cell to measure expansion or shrinkage





Technical Specifications and Requirements

- #120-20-A Automated HTHP Curing Chamber, Single Deep
- #120-25-A Automated HTHP Curing Chamber, Double Deep

Specifications

- Maximum operating temperature: 600°F (315.6°C)
- Maximum operating pressure: 5000 psi (34.5 MPa)
- Single Deep Accommodates 8 Cubes
- Double Deep Accommodates 16 Cubes

Requirements

- Air supply: 100 - 120 psi (689 - 827 kPa)
- Cooling water: 40 psi (276 kPa)
- Electrical power supply: 230 Volt, 50/60 Hz, 30 Amp
- Dimensions: 26" × 34" × 76" (66 × 86 × 193 cm)
- Weight: Approximately 750 lb (340 kg)

