OFITE®

CEMENT TESTING EQUIPMENT

Since 1982, 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.



Ultrasonic Cement Analyzer, Twin Cell

By measuring the change in velocity of an acoustic signal, the Ultrasonic Cement Analyzer provides a continuous non-destructive method of determining compressive strength as a function of time while at temperature and pressure.



Features

- Cement samples are not destroyed at time intervals
- Self-venting regulators provide accurate pressure control
- Temperature control (up to 400°F) and pressure control (up to 5,000 PSI) are available to simulate down-hole conditions
- Unique technology results in a cleaner signal, so transit times and data are more accurate
- Data is available instantly on-screen and is automatically down-loaded to a Microsoft Excel spreadsheet for easy analysis

Optional Accessories

- #120-53 High Pressure SGSM, mechanically measures gel strength

Technical Specifications and Requirements

- #120-51 - Ultrasonic Cement Analyzer, Twin Cell

Specifications

- Maximum Temperature: 400°F (204.4°C)
- Maximum Pressure: 5,000 PSI (34.47 MPa)
- Size: 24" × 18" × 12" (61 × 46 × 30 cm)
- Weight: Approx. 70 lb (32 kg)

Requirements

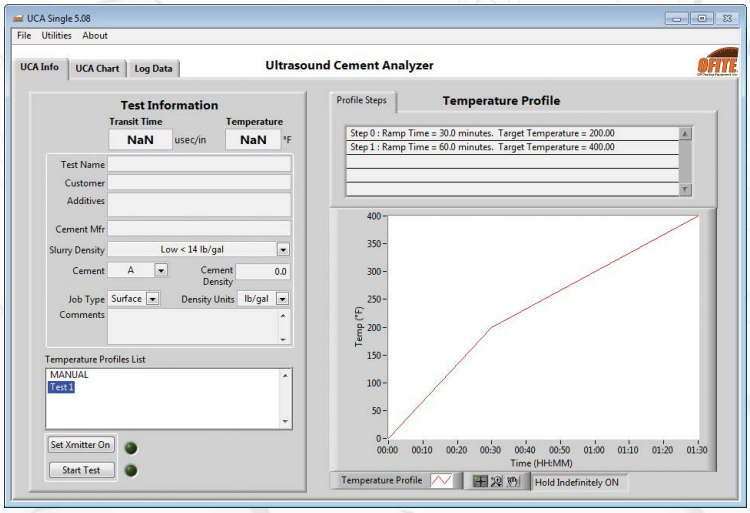
- Air Supply: 100 PSI (690 kPa) Recommended, 150 PSI (1,035 kPa) Maximum, ¼" NPT Connector
- Water Supply: 40 - 100 PSI, 40° - 100°F, ¼" NPT Connector
- Coolant Supply: ¼" NPT Connector
- Power Supply:
  - Electronics: 230 - 240 Volt, 50 - 60 Hz, 2 Amp
  - Heaters: 230 - 240 Volt, 50 - 60 Hz, 8 Amp

Computer

- Windows 7 or higher
- RS-232 Serial Port (or Serial to USB Adapter)
- Minimum Screen Resolution: 1280 × 680

OFITE Data Acquisition Features

- Reports real-time data that can be exported to an Excel, Word, or similar file
- Enables you to program multiple temperature ramps
- Operates multiple units with one computer



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