



## 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.

## Model 2040 Automated HTHP Consistometer

The Model 2040 Automated HTHP Consistometer was specifically engineered to determine the thickening time of well cements under simulated down-hole pressures and temperatures. The Model 2040 offers a computerized Data Acquisition and Control system, automatic temperature and pressure control, and a variable speed motor all standard in one easy-to-use unit.



All filters accessible in front for **Easy Maintenance**

## Features

- **Small footprint**, our new and slim design saves valuable lab space
- **Automatic temperature and pressure control**, variable speed motor (0 - 150 RPM) powered by a magnetic drive
- **Oil Reservoir**, features a cap with built-in funnel to help prevent spills, a removable top and bottom that makes cleaning easy, and a sloping bottom that collects sediment for easy removal
- **Windows® based, Computerized Data Acquisition and Control system**, provides detailed test information in convenient formats, and can **control multiple units** from **one computer** via **RS-232 or Ethernet** connection
- **Safety Features**, temperature, pressure, and consistency alarms
- **Status indicator**, symbolizes (3) selectable ranges of consistency
- Conforms to **API Specification 10** guidelines





## Technical Specifications and Requirements

- #120-40 Model 2040 Automated HTHP Consistometer
- #120-40-DAS Model 2040 Automated HTHP Consistometer with Computer
- #120-40-RDAS Model 2040 Automated HTHP Consistometer with Computer and Chart Recorder

### Specifications

- Maximum Pressure: 40,000 PSI (275.8 MPa)
- Maximum Temperature: 600°F (315.6°C)
- Consistency Range: (0 - 125 Bc)
- Digital Temperature Controller with 0.1° resolution
- Pressure indicator resolution is 100 PSI and includes both high- and low-pressure alarms
- Slurry cup rotational speed is variable up to 150 RPM
- Size: 22.5" x 27.5" x 70" (57 x 70 x 178 cm)
- Weight: Approx. 450 lb (204 kg)
- Crated Size: Approx. 26" x 34" x 76" (10 x 86 x 193 cm)
- Crated Weight: Approx. 750 lb (340 kg)

### Requirements

- Air / Nitrogen supply (100 - 120 PSI)
- Water supply for cooling (40 PSI)
- Water Drain
- 230-Volt, 50 / 60 Hz, 25-Amp electrical power supply

## OFITE Data Acquisition Features

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

