



## 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.



## Advanced Digital Wettability Tester

Non-aqueous drilling fluids (NADF) leave an oil-wet residue on the formation that prevents cement from bonding. Spacers are often used to clean the formation surface before a cementing operation begins. Evaluating a spacer's ability to convert an oil-wet surface to water wet is necessary to ensure proper cement bonding.

The Advanced Digital Wettability Tester uses electrical resistance to determine the effects of adding water-wet spacers to oil-wet NADF. An overhead mixing blade stirs the fluid while electrodes measure resistance and temperature. As spacer is added, the change in resistance is graphed and recorded. This allows the user to compare the effectiveness of different spacers with different NADF.



## Features

- Digital touchscreen display
- Intuitive user interface
- Precision motor and temperature control
- Sealed, easy-to-clean sample cup



## Technical Specifications and Requirements

- #120-95 115 Volt
- #120-95-1 230 Volt

### Specifications

- Maximum Mixing Speed: 4000 rpm
- Maximum Temperature: 200°F (93°C)

### Requirements

- 115 or 230 VAC, 50/60 Hz

## Data Acquisition Features

- Enterprise Wi-Fi connectivity
- Test results can be exported to USB drive or email
- Graphs current ( $\mu\text{A}$ ) with respect to either total volume (mL) or percentage of spacer by volume
- Displays current ( $\mu\text{A}$ ), elapsed time, current temperature, temperature setpoint, current motor speed, and motor setpoint

