



## 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.

**OFI TESTING EQUIPMENT, INC.**

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## Pressurized Fluid Density Scale

Drilling fluids and cement slurries often have a considerable amount of entrained or trapped air that may give erroneous results when determining fluid density using conventional equipment. This air volume may be reduced or eliminated by pressurizing the sample cup, which will then give more accurate density readings of the fluid itself.

The OFITE Pressurized Fluid Density Scale is similar to a standard mud balance. A sample cup of known volume is balanced by a fixed counterweight at the opposite end of a balance beam. A sliding weight rider moves along the graduated scale and a level bubble on the beam indicates when the system is in balance. The position of the rider on the graduated scale indicates the density of the sample.



## Features

- **Durability:** The machined stainless steel construction is stronger, less susceptible to corrosion, and more consistent from unit to unit.
- **Ease of Use:** The smooth finish is easy to clean and the laser-etched scales are clear and easy to read. The more consistent construction makes calibration easier.

## Technical Specifications and Requirements

- #100-70 Pressurized Fluid Density Scale

### Density Measurement Ranges:

- 52 - 164 lb / ft<sup>3</sup>
- 6.9 - 21.9 ppg
- 83 - 2.63 specific gravity
- 360 - 1130 PSI / 1000 ft