



## DRILLING FLUIDS 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 drilling fluids product line includes innovative designs such as the Model 900 Viscometer, which showcases our ability to develop new technology to meet customer and industry demands. We also offer Retorts, Aging Cells, Roller Ovens, Mud Balances, Filter Presses, and all other instruments required to evaluate drilling fluid properties according to API Recommended Practice 13B-1 and 13B-2.

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



## **OFITE Automated System (OASys™-EX)**

The OASys™ is a completely autonomous system that is fully capable of remotely monitoring the direct physical measurement of drilling fluid properties.



## Features

- Continuous density, apparent viscosity, and temperature
- Full API rheologies, specified shear rates 3-600 RPM, PV, YP and Gels at controlled temperature set points (per user specifications and intervals)
- Data outputs provided based on data/rig system requirements (Ethernet, serial, Wi-Fi) via standard communication protocols such as WITS0 or WITSML
- Fully automated cleaning cycles
- Redundant safety controls and alarms built in for safe operation and maintenance
- Secondary safety containment system with drain
- Small footprint (48" x 26" x 48") Net Weight: 990 lb



## Requirements

- 115 volt power 20 amp
- 120 psi air supply
- Standard 1" camlock hoses for sample in and out (hose lengths vary per installation requirements and placement)
- Cleaning fluid inlet port

## Certifications and Patents

- Ex 60079-46 IIB T3 Gb
- U.S. Patent No. 6,776,028
- U.S. Patent No. 8,065,907

## Options

- Emulsion Stability (ES) and oil/water/solids ratio measurements available\*
- Wi-Fi connectivity and external antenna
- Computer interface
- HWD Software package for Hydraulic calculations (ECD, Pressure Drop, cuttings removal efficiency, surge and swab, etc.)

\* OASys™ units with the ES or oil/water/solids ratio options cannot be ATEX, IECEx, or Ex certified.

Description	Units	Collected Temp. 1	Preset Temp. 2
Viscosity	cP	10.4	0.0
Yield Point	lbs/100ft	2.1	0.0
PV	cP	9.3	0.0
600 rpm Reading	Dial	20.7	0.0
300 rpm Reading	Dial	11.4	0.0
200 rpm Reading	Dial	0.0	0.0
100 rpm Reading	Dial	0.0	0.0
6 rpm Reading	Dial	0.3	0.0
3 rpm Reading	Dial	0.0	0.0
10 Second Gel	Dial	0.3	0.0
10 Minute Gel	Dial	0.3	0.0
Measured Temp. C°	Dial	0.0	0.0
Measured Temp. F	Dial	0.0	0.0
Temp. Setpoint	Deg F		150.0

**Sample Cup Empty**  
 Rheometer Set Temperature: 0.0 Deg C°  
 Current Sample Temperature: 27.0 Deg C° / 80.6 Deg F  
**0.0 D.R.**  
 Next Test: 00:29:23