

### **Designed for Fast and Easy Operation via PC Control**

The M7550 measures slurry consistency, thickening time and static gel strength while the slurry is subjected to simulated down hole conditions. The slurry is placed in a temperature and pressure-controlled cell and tested under the conditions that are specified by the user through the PC software. The software included with each unit allows the user to construct test sequences, run tests, and interpret test results quickly and efficiently.

### **Robust Components Provide Exact Measurements**

The Grace Instrument M7550 Consistometer/SGS Tester features a top magnetic drive with standard Fann Macs II style paddle and operations that turns at speeds up to 250 rpm. An additional bottom magnet drive is used to perform standard consistometer operations. The paddle is driven by a servo through a magnet coupling. The torque read by the servo is used to determine the slurry consistency or static gel strength.

### **Simple Set-Up, Easy Operation, Reliable & Repeatable Testing**

The Grace Instrument M7550 Consistometer/SGS Tester enables the operator to perform accurate, dependable test operations with minimal preparation time. The hardware design makes the instrument easy to set up, use and clean. All hardware components are created in accordance with API recommendations.



### **Operational Features**

- *A top magnetic drive with standard Fann Macs II style paddle and operations*
- *An additional bottom magnet drive to perform standard consistometer operations*
- *No exposed moving/rotating parts*
- *Automatic PC-controlled temperature and pressure*
- *Touch screen installed for direct reading and easy operation*
- *Automatic 6 channel data logging with easy export*
- *Time saver, fast automatic cooling*
- *Credible measurement by super accurate servo*
- *Reliable over temperature/pressure/consistency/time protection*
- *PC software capable of controlling up to 8 units*

### **Specifications:**

Temperature Range:	Up to 600 °F
Pressure Range:	Up to 30,000 psi
Heater Power:	4,000 W
Power Supply:	240 V, 50/60 Hz
Slurry Cup Rotation:	0 - 250 rpm
Pressure Medium:	White mineral oil
Compliance:	API Specification 10B-2/ISO 10426-2
Weight:	650 lbs.
Height:	64"
Width:	34"
Depth:	33"