

### **Acid-Resistant wetted material and components**

The M3600 Acid Viscometer has been on the market for over 10 years. The option features acid-resistant wetted material that is nickel chromium-molybdenum alloy (Hastelloy C-276). The unit also features all-sheet metals and stage plates that are coated with HCL acid-resistant paint. This provides an excellent resistance to corrosive samples and a variety of chemical compounds. The included M3600Frac™ software is designed for measuring fracturing fluids, while M3600DAQ™ is designed for general viscosity measurement and mud testing.

### **Innovative design allows for two operational modes**

The acid viscometer can be used as a stand-alone unit, enabling users to create test sequences and record test data without the use of external equipment. This innovative design and rugged construction of the M3600 Acid Viscometer make it equally useful in the field or in the laboratory.

### **Features**

- Acid-proof option allows the user to test samples with high acid concentrations, including fluids with 30% HCl
- All wetted materials are Hastelloy C276 construction
- Carrying Case contains acid viscometer with attached rotor, data cable, three bobs, anti-climber, thermocouple & heater cup

### **Specifications**

#### **Measurement Range (for B1, B2, B5 bob):**

Sample Size: 35-190 ml (depending on size of bob, cup, sleeve)

Speed: 0.01 to 600 rpm continuous

Shear Rate: 0.0038 to 1020 S-1

Temperature: Ambient (20 °F w/chiller) to 212 °F

Pressure: Atmospheric pressure

Viscosity: 0.5 to 27,000,000 Centipoise

Torque: 7  $\mu$ N.m to 14 mN.m

Shear Stress: 2 to 3,600 dyne/cm<sup>2</sup>

Resolution: 1 dyne/cm<sup>2</sup>

Accuracy:  $\pm$ 0.5% of torque span or better

#### **Mechanical Specifications:**

Dimensions / Footprint: 16" tall x 5" wide x 8" deep

Weight: 12.5 lbs

#### **Electrical Supply:**

Viscometer Voltage: 90 VAC to 240 VAC

Heater cup Voltage: 120 VAC or 240 VAC

*M3600 geometries conform to API test specifications.*



M3600 Acid Viscometer with bob