

Durable, Reliable, and Affordable Digital Power

The Grace Instrument M3600 Viscometer is a true, coaxial cylinder, rotational viscometer and incorporates years of customer feedback into its design. The M3600 features a steel framework and robust electronics, and is engineered to meet the various fluid rheology measuring needs of our customers, from on-site oilfield personnel doing single-speed tests in harsh environments to laboratory researchers doing advanced rheology tests. The innovative design and rugged construction of the M3600 Viscometer makes it versatile and portable, at home in the field or in the laboratory.

Software to cover all tests, from general viscosity to specialty

The included *M3600Frac™* software is designed for measuring fracturing fluids, while *M3600DAQ™* is designed for general viscosity measurement and mud testing.

Two Operational Modes - Stand-alone or Integrated with PC

The M3600 Automatic 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. It can also be connected to a Microsoft Windows PC operating our custom software for advanced test operations, test results analysis, and to export test data in spreadsheet format.



U.S. Patent: 6,571,609

M3600 has two operating modes:

1) Stand-alone Mode:

- Perform standard API tests by pressing two keys - Press 5, 6, or 7 to bring up a selection of pre-programmed tests, then press the key for the test you want.
- Quickly create multiple custom test steps and save the results of your tests.
- Review your test results quickly and easily.

2) PC Interface Mode:

- Interface M3600 with PC using *M3600DAQ™* or *M3600Frac™* software for advanced rheology test setup, control, display and data management.
- Microsoft Windows-based software
- Export data into Microsoft Excel
- Customize charts for data relationships

Measurement Range (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 μN.m to 14 mN.m
Shear Stress:	2 to 3,600 dyne/cm ²
Resolution:	1 dyne/cm ²
Accuracy:	±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.