

The **Grace Instrument M3080 Variable Speed Mixer** is specifically designed to meet all your oil field testing requirements. It functions as a mixer for cement and other shear-sensitive dry or fluid materials and complies with all existing API guidelines.

The results obtained from thickening time tests performed using the **M3080** not only have the most accurate data, but the results have greater reproducibility and correlate better with data from other laboratories.

In addition, when testing cement, wide variations in shear rate are avoided as the **M3080** holds the speed constant for 15 seconds (as specified by API Spec 10, Section 5) without operator attention, so that the cement can be added slowly.

The **M3080** can effectively eliminate human errors and increase work efficiency. Able to withstand harsh working environments, the **Grace Instrument M3080 Variable Speed Mixer** is the ideal variable speed mixer for your mixing applications.



- Durable stainless steel mixing blades
- 1 L stainless steel mixing container that can withstand abrasive action
- 2 preset mixing speeds
- Variable speeds
- Complies with all API standards
- Microprocessor controlled speeds allow operator to set customized speed acceleration rate
- User-friendly LCD display of rpm and time
- Rotational speed is maintained at set point with microprocessor
- Timing relays automatically control mixing at the required rpm
- No variation in thickening time tests due to changes in shear rate
- Operator can quickly select API speeds while adding cement to mixer

#### **M3080** benefits:

- customizable mixing speed sequence
- easy and simple automatic operation
- durable stainless steel cup
- lightweight, yet sturdy
- automatic data collection
- low maintenance

#### **Mechanical Specifications:**

Two Constant Speed Ranges:  
4,000 rpm and 12,000 rpm  
Dimensions / Footprint:  
26" tall x 16" wide x 11" deep  
Weight: 35 lbs  
Construction: Stainless steel

#### **Utility Requirements:**

Electrical Supply Voltage: 115 VAC to 220 VAC  
(Can be operated with 1.25 KVA power supply)  
Line Frequency: 50 to 60 Hz