

### **Simple Slurry Conditioning with Digital Data Recorder**

The Grace Instrument M7210 Digital Atmospheric Consistometer conditions cement slurry as the slurry is subjected to downhole conditions of elevated temperature under atmospheric pressure. Using a digital controller/chart recorder, the M7210 can automatically record data onto a PC to help determine the slurry thickening time, free water content, fluid loss, viscosity, and other various rheological properties.

**Easy-to-use design with programmable features** The M7210's hardware design features a stainless steel bath, which makes the unit easy to setup, easy to use, and easy to clean. It also saves operating time because it is equipped with two brass sample cups that can run tests simultaneously and rotate up to 150 rpm. In addition, the easy-to-read controller/recorder screen displays the current consistency and temperature of the slurry.

Dual thermocouples monitor the bath temperature to provide extra protection and prevent from hazardous situation. A pre-installed copper cooling coil reduces the temperature of bath quickly at the end of a test so that time lost in between tests is dramatically decreased.

All hardware components are created in accordance with API recommendations.

### **Features**

- *Reliable over temperature protection*
- *Easy to use PID temperature controller*
- *Efficient operation with dual rotating cups*
- *Stainless steel bath*
- *Time saver, fast cooling with cooling coil*
- *API compliant instrument design*



### **Specifications**

#### **Mechanical Specs**

Max Temperature:	200 °F
Max Pressure:	Atmospheric pressure

#### **Utility Requirements**

Heat Power:	1,500W
Power Supply:	240 VAC, 50/60 Hz
Slurry Cup Rotation:	150 rpm
Compliance:	API Spec 10A / ISO 10426-1

#### **Dimensions**

Weight:	63 lbs.
Height:	24.5"
Width:	15"
Depth:	18"