



Taha Kimia Tajhiz Co.



Ofite Co.

Model 80 Recording Atmospheric Consistometer Datasheet

**Cement Testing/ Thickening Time Tests
(Consistometers) Equipment**



CEMENT TESTING EQUIPMENT

For over 30 years OFI Testing Equipment (OFITE) has provided instruments and reagents for testing drilling fluids, well cements, completion fluids, and wastewater. In addition to these product lines we also offer a range of instruments for core analysis. From our manufacturing facility in Houston, TX we provide customers all over the world with quality products and exceptional service.

Our cement product line includes innovative designs such as the Static Gel Strength Measurement Device (SGSM) which showcases our ability to develop new technology to meet customer and industry demands. We also offer Ultrasonic Cement Analyzers (UCA), Constant Speed Blenders, Automated HTHP Consistometers, and all other instruments required to evaluate cement properties according to API Specification 10.

As an independent manufacturer and supplier, OFITE has one priority, our customers.



Model 80 Recording Atmospheric Consistometer

The Model 80 Recording Atmospheric Consistometer is utilized to pre-condition cement slurries in accordance with API Specification 10. Determination of rheological properties, examination of free water content, and evaluation of the API fluid loss test all require that the cement slurry be conditioned by an atmospheric consistometer.



Features

- Three-channel strip chart recorder measures temperature and consistency of each container
- Temperature is maintained via a PID controller, to increase accuracy and reproducibility
- Unit is operated at atmospheric pressure
- Process temperature is displayed digitally, for easy reading
- Heat transfer fluid (oil) is continuously circulated, ensuring a consistent temperature is maintained
- Slurry container rotational speed is 150 RPM to meet API specifications
- Dual container design so that two slurries can be conditioned at one time
- Cooling system included to allow cooling the slurry below room temperature
- Stainless steel temperature bath resists corrosion, ensuring long life
- Dead-weight calibration unit helps keeps the unit in calibration, ensuring consistent performance



Technical Specifications and Requirements

- #120-80 Model 80 Recording Atmospheric Consistometer, 115 Volt
- #120-80-1 Model 80 Recording Atmospheric Consistometer, 230 Volt

Specifications

- Maximum Pressure: Atmospheric
- Maximum Temperature: 200°F (93.3°C)
- Heater: 1,500 watts
- Slurry Cup Rotational Speed: 150 rpm
- Temperature Control: PID controller
- Temperature Bath Material: Stainless Steel
- Display: Digital
- Size: 30" × 16" × 18" (76 × 41 × 46 cm)
- Weight: 105 lbs (47.7 kg)
- Crated Size: 23" × 20" × 22" (58 × 51 × 56 cm)
- Crated Weight: 170 lbs (77.2 kg)

Instrument Requirements

- Water supply for cooling and drain
- 120 Volt, 50 / 60 Hz, 20 Amp
- 220 Volt, 50 Hz, 10 Amp