

## Atmospheric Consistometer Model 165AT

### Description

Fann® Model 165AT Atmospheric Consistometer is specifically designed to condition cement slurries for testing properties, such as thickening time, free water content, viscosity, rheological properties, and fluid loss. This consistometer also measures consistency (thickening time) and temperature.

API Specification 10A outlines the requirements and provides the procedure for the Free-Fluid Test (free water) using the Model 165AT Atmospheric Consistometer.

### Application

Researchers, cement manufacturers, and well servicing companies use the Model 165AT Atmospheric Consistometer for

- oil well cement research and testing
- cement additive testing
- quality assurance programs

### Advantages

- Easy to operate
- Rugged design for use in oilfield laboratories
- Microprocessor-based temperature controller and digital temperature indicator for accurate temperature control
- Stainless steel water bath with programmable temperature control to set temperature rise in accordance with API Spec 10
- Impeller-stirred water bath for temperature stability
- Direct torque spring readout for instant slurry consistency in Bearden units (Bc)
- Toothed belt drive for precise rotation at 150 rpm
- Internal cooling coils to cool the slurry below room temperature



Specifications	
Maximum Temperature	200°F (93°C)
Maximum Pressure	Atmospheric Pressure only
Consistency Range	0 to 100 Bearden (B <sub>c</sub> )
Slurry Cup Rotational Speed	150 rpm
Slurry Cup Volume	470 ml
Input Voltage	115 or 220 VAC; 50/60 Hz
Input Power	2000 watts
Heater	1500 watts
Dimensions W x D x H	25 x 15.5 x 18 inches 64 x 39 x 45 centimeters
Net Weight	80 lb (50 kg)

### Ordering Information

Part No. 359571 — Model 165AT Atmospheric Consistometer, 115 V, 50/60Hz

Part No. 359572 — Model 165AT Atmospheric Consistometer, 230 V, 50/60Hz

Part No. 101402595 — Calibrator for Model 165AT Atmospheric Consistometer

*Fann Instrument Company offers a complete line of equipment, materials, and supplies for analyzing various drilling fluids and oil well cements in accordance with API Specifications and API Recommended Practices.*