



Taha Kimia Tajhiz Co.



Chandler Engineering Co.

Model 1200 & 1250 Atmospheric Consistometers Datasheet

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



CHANDLER
ENGINEERING

Model 1200 & 1250

ATMOSPHERIC CONSISTOMETERS

A Critical Tool for Oil Well Drilling and Cementing

The Models 1200 and 1250 are specifically designed to be a simple and accurate means to prepare cement slurries for the testing of rheological properties, fluid loss and various other properties in strict compliance with API 10 A/B. These instruments are used daily in laboratories involved in: oil well cement research, research and testing of cement additives, cement quality assurance and the research and field laboratories of well service companies.

These instruments increase lab productivity and save valuable technician time by simultaneously conditioning two slurry samples for subsequent testing.

Operational Simplicity

These instruments are simple to operate with all of the controls conveniently located on the front panel. The unit is designed so that closure, heating and pressurization can be achieved quickly.

The slurry cup drive automatically rotates the cup at the required, standard rate of 150 rpm. Accurate temperature control of the stainless steel water bath is maintained by a programmable temperature controller as well as a motor-driven stirring mechanism in the water bath that eliminates hot spots on the slurry cups.

Indicators for each viscosity and the water bath temperature are readily visible on the front panel of the unit. The Model 1250 adds a strip chart recorder which provides a permanent record of temperature and viscosity measurements.

Upon completion of slurry conditioning, cooling coils can be used to quickly lower the temperature of the slurry for safer handling.



FEATURES

- ✓ Two Conditioning Cups
- ✓ Consistency Alarms
- ✓ Accurate Temperature Control
- ✓ Internal Cooling Coils
- ✓ Stainless Steel Water Bath
- ✓ Built-in Chart Recorder on Model 1250
- ✓ 150 rpm Slurry Cup Drive

Specifications

Maximum Temperature	200°F / 93°C
Maximum Pressure	Atmospheric pressure
Heater Power	1500 Watts
Slurry Cup Rotation Speed	150 rpm
Slurry Cup Volume	28 cubic inches / 470 mL
Consistency Range	0 to 100 Bc (Bearden Units)
Operating Temperature	50 to 120°F / 10 to 50°C
Data Acquisition	Model 1250 includes a strip chart recorder which tracks the water bath temperature and the consistency of each slurry under test
Compliance	API Spec 10A / ISO 10426-1

Utilities

Cooling Water	20-80 psi / 140-550 kPa; nominal flow 2 Lpm
Power Supply	100-130 VAC or 200-240 VAC ± 15% 50/60 Hz 2 kVA

Physical Dimensions

Dimensions (h x w x d)	25 in. x 15.5 in. x 18 in. / 64 x 39 x 45 cm
Weight	110 lb / 50 kg

Shipping Information

Dimensions	29 in. x 20 in. x 29 in. / 74 x 51 x 74 cm
Weight	190 lb / 86 kg

Manufacturer's specifications subject to change without notice



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