

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



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



MINDEX

Mindex Limited

Unit 6 , Gatwick Metro Centre
Balcombe Rd, Horley, Surrey
RH6 9GA, United Kingdom
Tel: 44 (0) 1293 408123
Fax: 44 (0) 1293 408 125
email: sales@mindex-ltd.co.uk
web: www.mindex-ltd.co.uk

Model 1200 & 1250

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

00-130 VAC or 200-240 VAC \pm 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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