

OIL WELL CEMENTING



1200 & 1250 ATMOSPHERIC CONSISTOMETER

A Critical Tool for Oil Well Drilling and Cementing

The 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 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 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



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SPECIFICATIONS

Max Pressure

Atmospheric Pressure

Max Temperature

200°F / 93°C

Heater Power

1500 Watts

Environmental Operating Temperature

41 to 104°F / 5 to -40°C

Utilities**Water**

20-100 psi / 140-689 kPa; Nominal
Flow 2 Lpm

Slurry Cup Rotation Speed

150 rpm

Slurry Cup Volume

26 Cubic Inches / 470 mL

Power

100-130 VAC, 16A, 50/60 Hz, 1 Phase

208-240 VAC, 8A, 50/60 Hz, 1 Phase

Consistency Range

0 to 100 Bc (Bearden Units)

Compliance

API Spec 10A / ISO 10426-1

CE (Model 1200 only)

Data Acquisition

1250 Includes a Strip Chart Recorder Which Tracks Water Bath Temperature and Consistency of Each Slurry Under Test

Physical Dimensions

Dimensions (w x d x h)

15.5 in. x 18 in. x 25 in.

39 x 45 x 64 cm.

Weight

110 lb / 50 kg

Manufacturer's specifications subject to change without notice

