

Model 2025 Automated HTHP Cement Consistometer, 25 KSI, 400°F



Brand: OFI Testing Equipment, Inc.
Product Code: 120-35
Availability: Call for availability

Description

The Model 2025 Automated HTHP (or HPHT) Cement Consistometer was specifically engineered to determine the thickening time of well cements under simulated down-hole pressures and temperatures. The HTHP Consistometer offers a computerized Data Acquisition and Control system, automatic temperature and pressure control, and a variable speed motor all standard in one easy-to-use unit.

Features

- Touch-screen display
- Computerized Data Acquisition and Control system provides detailed test information in convenient formats and can control multiple units from one computer. RS-232 and Ethernet connections available.
- Automatic temperature and pressure control
- Automatic, programmable variable speed motor (0 - 150 RPM) powered by a magnetic drive
- Visual indicator provides an at-a-glance status update during testing
- Smaller cell and more efficient cooling system provide quicker cool-down times
- Small footprint saves valuable lab space
- Conforms to API Specification 10A (ISO 10426-1) guidelines

Specifications

- Maximum Pressure: 25,000 PSI (172.4 MPa)
- Maximum Temperature: 400°F (204°C)
- Consistency Range: (0 - 125 Bc)
- Digital Temperature Controller with 0.1° resolution
- Pressure indicator resolution is 1 PSI and includes both high- and low-pressure alarms
- Slurry cup rotational speed is variable up to 150 RPM
- Size: 22.5" x 27.5" x 70" (57cm x 70cm x 178cm)
- Weight: Approx. 450 lb (204kg)
- Crated Size: Approx. 26" x 34" x 76" (66cm x 86cm x 193cm)
- Crated Weight: Approx. 750 lb (340kg)

Requirements

- Air / Nitrogen supply (100 - 120 PSI)
- Water supply for cooling (40 PSI)
- Water Drain
- 230-Volt, 50 / 60 Hz, 25-Amp electrical power supply

Software Features

- Reports real-time data that can be exported to an Excel, Word, or similar file
- Enables you to program the temperature, pressure ramps, and motor speed
- Operates multiple units with one computer

Components

- #120-001: Mineral Oil, 1 Gallon
- #120-10-1: Tool Kit
- #120-102: Rupture Disk, 28000 PSI
- #120-40-032: Filter, High Pressure
- #120-40-033: Filter Element
- #120-106-002: O-ring for Filter Element
- #120-149: O-ring for Cell Cap
- #120-35-033: Air Filter
- #120-35-132: Oil Filter

- #120-40-029: O-ring for Cooling Jacket, FFKM
- #120-50-040: Wrench, Box End, 5/8"
- #120-59-076: Hose Kit
- #122-077: Fuse, 10 Amp, 5 mm × 20 mm

Slurry Cup Components

- #120-519: Slurry Cup Assembly without Expansion Chamber
- #120-521: Slurry Cup Assembly with Expansion Chamber
- #120-501: Sleeve
- #120-502: Diaphragm, Molded
- #120-502-1: Diaphragm, Flat
- #120-503: Paddle Pin
- #120-504: Pivot Bearing
- #120-505: Pivot Bearing Gasket
- #120-506: Paddle
- #120-507: Paddle Shaft, 7.75" (For Slurry Cup without Expansion Chamber)
- #120-508: Diaphragm Retaining Ring
- #120-509: Drive Disk
- #120-510: Drive Bar
- #120-511: Shear Pin
- #120-512: Drive Pin
- #120-513: Gasket
- #120-514: Drive Disk Set Screw
- #120-515: Diaphragm Support
- #120-516: Slurry Cup Base
- #120-517: Slurry Cup Locking Ring
- #120-520: Paddle Shaft, 9.125" (For Slurry Cup without Expansion Chamber)
- #122-522: Expansion Chamber Lid

Potentiometer Components

- #120-628: Potentiometer Assembly
- #120-602: Calibration Spring
- #120-603: Body
- #120-604: Resistor
- #120-605: Contact Spring
- #120-606: Contact Arm
- #120-607: Contact Strip

- #120-608: Grounding Cable Retaining Screw
- #120-609: Grounding Contact Spring

Calibration Components

- #120-35-040: Calibration Stand Assembly
- #120-75-9: Weight Hanger
- #120-75-10: Weight Set

Optional

- #120-35-SP: Spare Parts Kit
- #120-506M: Paddle for Dynamic Settling Test

Part Numbers

- #120-35: Model 2025 Automated HTHP Consistometer
- #120-35-DAS: Model 2025 Automated HTHP Consistometer with Computer

Specification

| Specifications | |
|---------------------|------------|
| Maximum Pressure | 25,000 PSI |
| Maximum Temperature | 400°F |

Product Gallery