



RHEOCHECK OD - DRIVE

OSCILLATING DISK RHEOMETER CONTROLLED BY PERSONAL COMPUTER.

STANDARDS: ASTM D2084; ISO 6502-1; ISO 6502-2;

NOTE: COMPLIANCE WITH SOME STANDARDS MAY REQUIRE OPTIONAL ACCESSORIES OR SETUPS.



Gibitre OD Rheometer measures the cure characteristics of a rubber compound in conformity with ISO 6502-2 and ASTM D2084 Standards. The measure of the vulcanization is carried out by measuring the modification in the mechanical characteristics of the sample. The instrument permits to apply a cyclic strain to a test piece and to measure the associated force. The test is performed at a defined temperature and the measure of stiffness recorded continuously as a function of time.

Key Features

- Test Dies and Rotor conforming to International Standards
- Independent PID temperature controllers with 0.1°C resolution
- Touch-screen display for instrument control
- Light panel to check the status of the instrument from a distance
- Transparent protection panel with safety sensor
- Full license of Rheocheck software optimized for

Bar-code sample identification

- Full license of Datagest software for complete management of Gibitre SQL Database
- Fume extraction predisposition
- CE label

Accessories

- Pressure sensor for testing of cellular rubber.
- Constant Volume Sample Cutter.

Numerical Test Data: Torque Values: MI, ML, M90, MX, MH, PCR, S*@ML, TanD@ML, S*@MH, TanD@MH (X=customer-defined); Scorch Time: tS1, tS2, tSX ; Cure Time: t90, tX, tML, tMH, tPCR, tRX; Pressure (optional): PL, PH, tP, MPR, tMPR

Graphic representation: Elastic curve (S'), Viscose curve (S''), Complex curve (S*)Tan-Delta curve, Curing speed, Upper and Lower test chamber temperatures

Oscillation frequency: 100 cycles /minute (1,7 ±0,1 Hz)

Oscillation Angle: 1°, 3°. Easy adjustment with calibrated gauges

Temperature: Room Temperature to +250 °C - Resolution 0.1 °C

Personal Computer (optional): Minimum Setup: Windows 10 or 11, Intel Core i5, 5GB RAM

