

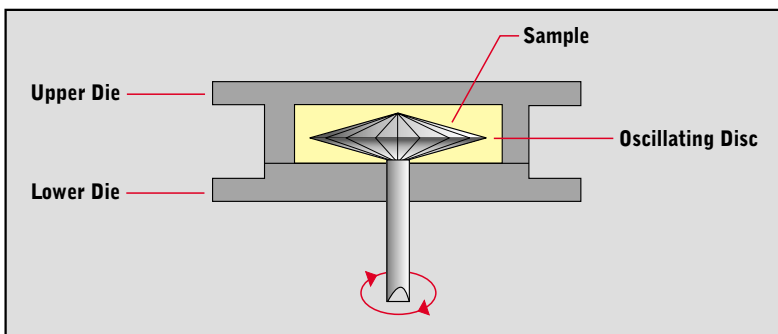


Rheo-Line Oscillating Disc Rheometer

Many testing laboratories have several years of data which has been produced on Oscillating Disc Rheometers and understandably they may be reluctant to convert tried and proven specifications to an MDR scenario.

Prescott Instruments Ltd. can cater for these instances with the Rheo-Line Oscillating Disc Rheometer, encompassing the traditional curemeter principles and applying the latest in measurement technology to provide a seamless transition when upgrading laboratory equipment.

Graphic of Die & Rotor System:



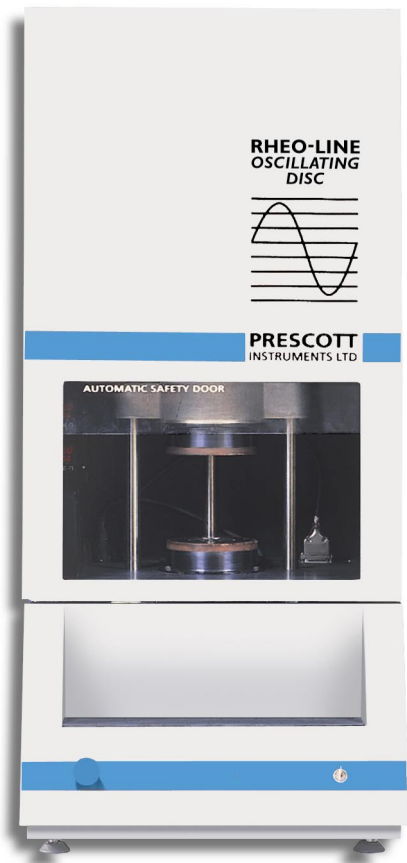
The Rheo-Line Oscillating Disc Rheometer is supplied complete with PC and full data acquisition software allowing real time display of:

- Standard torque curve
- Viscous curve
- Tan. Delta
- Cure rate
- Programmable data points & limits
- Automatic pass/fail limits

The test results are performed and displayed as plotted curves on a graph. The information can be printed out as and when required or stored on the computer's hard disc for future reference. (In addition Rheo-Line can be interfaced with internationally recognised SPC packages to generate control charts and carry out full statistical analysis of test data, or indeed any external quality control package.)

TECHNICAL SPECIFICATIONS

Design Spec.	ISO 3417 / ASTM D2084
Electrical	Single Phase 220/240V 50HZ, 110v 60HZ.
Pneumatics	Filtered air, 4.2 Kg/cm, (60 Psi)
Die Configuration	Micro Production die & rotor, as specification.
Oscillation Frequency	1.67 HZ.
Oscillation Amplitude	1.0, 3.0, 5.0 degrees, one supplied as standard.
Temperature Control	Digital PID.
Temperature Range	35 to 250 degrees C.
Units of Measurement	Torque In lb, dNm. Temp. Celsius, Fahrenheit. Time Min/Sec, Min/Decimal, Seconds
Output Type	Real time display of:- Elastic Modulus. Viscous Modulus. Tangent Delta. Cure Rate.
Data Format	All data stored in Access database with full export functionality.
PC Specification	Pentium Processor, networkable.
These options are available:	Programmable temperature zones Additional oscillation eccentric Volumetric sample cutter



It is strongly recommended that samples are prepared with an automatic volumetric cutter which is available from Prescott Instruments Ltd. Please see our brochure for full specification.

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