



The **Mooneyline Mini Viscometer *Lite*** is a sleek and compact version of our full sized Mooneyline Viscometer, supplied with everything you need to perform reliable and efficient elastomeric compound testing. This instrument features a compact design that reduces instrument footprint.

Fundamental to all Mooneyline Viscometers is the rotor and die assembly. A sample of test material is placed above and below the rotor and the platens then close under pressure. The temperature of the dies and the sample contained within are accurately maintained throughout the test by means of microprocessor based PID control system.

The rotor rotates at a constant speed to two revolutions per minute and the torque is effectively measured and recorded. In addition, the Mini Mooney meets the requirements of ASTM D1646 and can perform the following industry standard tests.

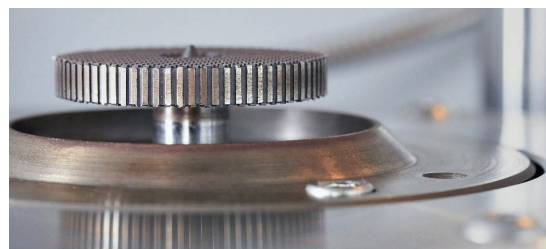
This instrument supports ODBC Database Connections Microsoft Access®, Microsoft SQL Server®, IBM DB2®, and is operated through an intuitive and easy to use Windows based software system.

#### **Labline *Lite* Includes:**

- » **Database**  
Storage of compound test specifications
  
- » **Acquire**  
Displaying real time test data
  
- » **Report Generator**  
Output of graphs and data on screen or printer
  
- » **Pass/Fail** - Test data can be pass/fail based on historical or pre-determined criteria

#### **Test capabilities include:**

- » Mooney Viscosity or Mooney Scorch



# Mooneyline Mini Viscometer *Lite*

Technical Specification:

<b>Standards</b>	ISO No. 289 / ASTM D1646
<b>Die Configuration</b>	Standard
<b>Rotor</b>	Large or small
<b>Rotation Speed</b>	2 RPM (0.21 Radians/Sec)
<b>Temperature Range</b>	Ambient to 225 °C
<b>Temperature Control</b>	3 term PID, control accuracy +/- 0.03 °C
<b>Calibration</b>	Integral
<b>Electrical</b>	Single Phase 220/240V 50Hz   110V 60Hz   350 VA
<b>Pneumatics</b>	Filtered Air, Min: 0.41 Mpa   60 psi   4.14 Bar   4.2 kg/cm
<b>Units of Measurement</b>	Torque in Mooney units. Temperature in Fahrenheit or degrees Centigrade. Time, min/sec, min/decimal, seconds.
<b>Types of Test</b>	Real time display of: - Mooney Torque - Temperature of upper and lower dies - Calculation of Viscosity ( Ml1+4) - Scorch
<b>Data Format</b>	All data stored in accessible format allowing easy export to all other packages: SQL, Access
<b>PC Specification</b>	Pentium processor, networkable
<b>Weight</b>	65 kg
<b>Dimensions</b>	300 mm x 300 mm x 870 mm (W x D x H)
<b>Optional Extras</b>	Mooneyline Volumetric Sample Cutter

» As with all Prescott Instrument products, the Mini MV *Lite* is fully networkable to our full range of operating platforms, or to other industry standard equipment.

## Quality sample preparation

It is strongly recommended that your samples are prepared with our **Mooneyline Volumetric Sample Cutter** which is available from Prescott Instruments Ltd. Please see our brochure for more information.



**Prescott**  
instruments

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