



**Prescott**  
instruments

## Mooneyline Viscometer Variable Speed

### Built to Last

- Prescott Instruments is a U.K. company with **over 30 years' experience in material testing**.
- We manufacture all instruments **onsite in the U.K. under ISO 9001** and our in-house laboratory team perform all **instrument calibrations under ISO 17025**.
- Our **Mooneyline Viscometer VS** is the **perfect choice** for modern laboratories at all stages of the rubber production process.
- Its **precision, reliability and durability** make it an indispensable instrument for laboratory professionals worldwide.

### Built to Last

- **Reliability:** Our Mooneyline Viscometer VS is the perfect blend of traditional principles and the latest modern technology, revolutionising this laboratory classic.
- **State of the Art:** The microprocessor-based PID control system enables complete confidence in maintaining the die temperature throughout the testing process.
- **Accuracy:** Fully compliant with international standards and with temperature control accuracy of  $\pm 0.03^\circ\text{C}$ .



### Built to Last

- **Enhance the range of data calculated per test** with our **adjustable rotor speeds of 0.1 to 20 RPM** (especially useful for testing tyre compounds and polymers).
- This **extra functionality produces accurate data** on a variety of elastomeric compounds, making this an **impeccable choice** for polymer specialists.
- Our signature **Labline software** allows unlimited test data points and comes complete with a **calibration module**.
- The **Mooneyline Viscometer Variable Speed can perform a wide range of advanced tests** to regulate the viscosity of polymer samples at varied speeds and temperatures.
- **Simplicity of design** means you can replace components **easily and affordably**.

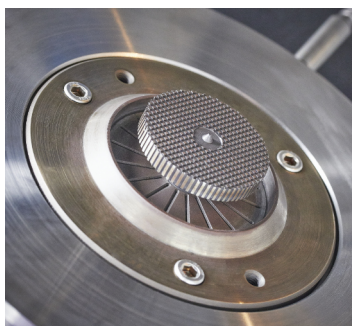
# Mooneyline Viscometer Variable Speed

## 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>	Varied 0.1 to 20 RPM
<b>Calibration</b>	Fully Automatic
<b>Types of Test</b>	Real time display of: - Mooney Torque - Temperature of upper and lower dies - Calculation of Viscosity (MI1+4) - Scorch, Delta Mooney, Stress Relaxation index
<b>Temperature Control</b>	3 Term PID – Control Accuracy $\pm 0.03$ °C
<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>Weight</b>	205 kg
<b>Dimensions</b>	575 mm x 570 mm x 1280 mm (W x D x H)
<b>PC Specification</b>	Pentium processor, networkable
<b>Optional Extras</b>	Mooneyline Volumetric Sample Cutter

## Capabilities

- » Mooney Viscosity
- » Mooney Scorch
- » Stress Relaxation
- » Area Under The Curve
- » Delta Mooney
- » Linear Speed Variation



**NOTICE:** Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof. Prescott Instruments Ltd. Make no representation or warranties as to the completeness or accuracy thereof. Information is supplied upon the conditions that the persons receiving same will make their own determination as to the suitability for their purposes prior to use. In no event will Prescott Instruments Ltd. Be responsible for damages of any nature whatsoever resulting from the use or reliance upon information for the product, equipment or system to which information refers. Nothing contained herein is to be construed as recommendation to use any product, equipment, system, process or formulation in conflict with any patent, and Prescott Instruments Ltd. makes no representation or warranty, express or implied, that the use thereof will not infringe any patent, except for the limited warranty set forth in Prescott Instruments Ltd. standard sales contracts for its equipment and services.

**PRESCOTT INSTRUMENTS LTD. MAKES NO REPRESENTATIONS OR WARRANTIES WHETHER STATUTORY, EXPRESS OR IMPLIED, OF MERCHANT ABILITY FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE WITH RESPECT TO THE INFORMATION OR PRODUCT, EQUIPMENT OR SYSTEM TO WHICH INFORMATION REFERS.**

© 2016 Prescott Instruments Ltd.

Prescott Instruments Ltd. Unit F, Northway Trading Est, Northway Lane, Tewkesbury, Gloucestershire, GL20 8JH UK

Tel: +44 (0) 1684 274300 ; sales@prescott-instruments.com ; www.prescott-instruments.com



Certificate No. 3088

Cert #4023.01