



Prescott instruments

Rheoline Oscillating Disc Rheometer



A Trusted Name in Material Testing

- Prescott Instruments Ltd. 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**.
- This **Rheoline Oscillating Disc Rheometer** 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 **ODR** is the perfect blend of **traditional principles and the latest modern technology**, revolutionising this laboratory classic.
- **Reliability:** Expertly-crafted construction provides **stability and reliability** even when testing the hardest of materials.
- **Unique:** Our bespoke **high-end electronics** ensure the highest data sampling rates available.



Repeatability and Connectivity

- Ensure **reliability and peace of mind** with our ODR by allowing users to gain the **latest measurement technology** while still using **tried and tested specifications**.
- Our ODR is **easy to maintain** and designed **for ease of access**.
- The oscillation amplitude can be **easily adjusted** with the **options of 1°, 3° and 5°**.
- **Simplicity of design** means you can replace components **easily and affordably**.
- The test results are **easy to read** and displayed as **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, making your test information **easily accessible**.

Rheoline Oscillating Die Rheometer

Technical Specification

Standards	ISO 3417 / ASTM D2084
Die Configuration	Removable rotor
Oscillation Frequency	1.67 Hz
Oscillation Amplitude	1.0°, 3.0°, 5.0° (One supplied as standard)
Temperature Range	Ambient to 250 °C
Temperature Control	3 term PID, control accuracy +/- 0.03 °C
Units of Measurement	Torque Inlb, dNm. Temp. Celsius, Fahrenheit. Time Min/Sec, Min/Decimal.
Output Type	Real time display of: - Elastic Torque - Viscous Torque - Tangent Delta - Cure Rate
Electrical	Single Phase 220/240V 50Hz 110V 60Hz 350 VA
Pneumatics	Filtered Air, Min: 0.41 Mpa 60 psi 4.14 Bar 4.2 kg/cm
Weight	200 kg
Dimensions	575 mm x 570 mm x 1280 mm (W x D x H)
PC Specification	Windows PC
Optional Extras	Programmable Temperature Zones Rheoline Volumetric Sample Cutter

Standards

ISO 3417 / ASTM D2084

Temperate Range

Ambient to 250 °C
± 0.03 °C

Oscillation Angle

1.0°, 3.0° and 5.0°

Oscillation Frequency

1.67 Hz

Real-Time Display

- » Standard torque curve
- » Viscous curve
- » Tan. Delta
- » Cure rate
- » Programmable data points & limits
- » Automatic Pass/Fail limits

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