



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

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