

VISCOMaster

Ref: CP1



INTRODUCTION

The new Viscomaster Cone & Plate Viscometer offers exceptional flexibility in the testing of non-Newtonian products. Such products, including paint, exhibit changes in viscosity when being applied with a brush or roller under high shear conditions. Comprehensive testing under stringent conditions ensures that the flow behaviour of such products meets manufacturing specifications in order to achieve optimal formulation and process control.

Incorporating a highly accurate wear resistant cone and plate system with precise speed control, standardised test conditions can be accurately reproduced : $10,000 \text{ s}^{-1}$ BS, $12,000 \text{ s}^{-1}$ ASTM or $9,000 \text{ s}^{-1} / 12,000 \text{ s}^{-1}$ ISO. simulating "real world" application shear rates. Integrated temperature control allows the plate temperature to be accurately set between the range $5 - 65^\circ\text{C}$ ensuring the sample temperature remains constant throughout the test.

FEATURES

- Interchangeable cones, simple to install and clean with built in quick release chuck.
- Reading in P, cP, Pa.s, or mPa.s
- Pre-selected or adjustable runtimes $5 - 59 \text{ s}$, with manual or automatic start.
- Rapid temperature control with adjustable pre-heating time $0 - 59 \text{ s}$.
- Adjustable limit / tolerance setting with warning.
- User calibration, for any selected cone, using supplied certified calibration oils.



GLOBAL SOLUTIONS
for
QUALITY CONTROL

- Memory for 100 readings with 3 digit adjustable sample identification.
- RS232 PC / USB Printer data output.
- Easy menu guided soft key operation allowing configuration setting.
- Selectable modes: full function or simplified user routine – security protected.
- Standard package: Viscomaster Viscometer.

Note: suitable cone kit for application (including 5 certified calibration oils) to be ordered as a separate item as detailed.

The ease and speed of use of the new Viscomaster Cone and Plate make it the ideal instrument for use in both Quality Control and research laboratories for a number of industries.

- Paints
- Resins
- Inks
- Cosmetics
- Varnishes
- Pharmaceuticals
- Foods

Many test materials tend to be quite adhesive so prove hard to clean completely. The hardwearing measuring system on the instrument overcomes this providing excellent performance.



TECHNICAL SPECIFICATIONS

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|---------------------|--|
| Measuring range | 5 Cone measuring ranges: 0-5, 0-10, 0-20, 5-50, 10-100 Poise |
| Accuracy | <±2% |
| Resolution | 0.01 Poise |
| Repeatability | <± 0.5% |
| Temperature control | 5°C to 65°C |
| Resolution | 0.1°C (0.2°F) |
| Accuracy | ±0.2°C (±0.4°F) |
| Repeatability | ±0.2°C (±0.4°F) |
| Voltage | 90-240V AC – 50-60 Hz |

ORDERING INFORMATION

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| Ref: CP1 | Viscomaster CP1 Cone & Plate base unit |
| Ref: 490/1/CK | Cone kit 0-10 Poise, with 5 certified calibration oils |
| Ref: 490/2/CK | Cone kit 0-20 Poise, with 5 certified calibration oils |
| Ref: 490/3/CK | Cone kit 5-50 Poise, with 5 certified calibration oils |
| Ref: 490/4/CK | Cone kit 10-100 Poise, with 5 certified calibration oils |
| Ref: 490/5/CK | Cone kit 0-5 Poise, with 5 certified calibration oils |

OPTIONAL ACCESSORIES

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| Ref: 490/715/S | Vapour trap |
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Owing to continuous development. we reserve the right to introduce improvements and modify specifications without prior notice.

Sheen INSTRUMENTS

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