

VISCOSITY

Sheen



REF. 450N AUTOVISC™ FLOW CUP TIMER



FEATURES

- Simple, rapid set up and operation
- Accurate, repeatable results
- Accepts a wide range of cups
- Aluminium water jacket for temperature control
- Portable, Alkaline battery power supply
- Mains power supply 220V, 50Hz / 110V 60

INTRODUCTION:

The new Sheen Autovisc™ has been developed to provide users with an accurate and repeatable method for standardising liquid flow-time measurements.

The Autovisc has been designed to accept most types of internationally recognised flow cups. Combined with Sheen's range of flow cups, this instrument provides solutions to all flow time measurement requirements.

OPERATION:

1. Level the instrument by inserting an empty flow cup into the water jacket, place the levelling bubble on top of the cup and adjust the Autovisc feet until the cup is level.
2. Select a flow cup and locate on the flow cup filling stand ensuring that the orifice is completely sealed.
3. Fill the flow cup with fluid and slide the top cover over the surface so that excess liquid is removed and a vacuum seal is formed.
4. Remove the cup from the stand and insert into the aluminium jacket. If necessary, equilibrate to the desired temperature.
5. Switch on the power, reset the timing function and zero the display. The instrument will now start automatically once liquid flow commences.
6. Place a suitable receptacle underneath the flow cup and remove the cover plate by sliding smoothly from the cup. Instrument timing will start immediately and will stop as soon as a break occurs in the liquid flow. The LCD shows the elapsed time of the fluid flow.
7. Remove the cup and the waste receptacle and clean any residual fluid from the instrument.
8. Take reading and reset the Time End switch.
9. Zero the display and the instrument is ready for the next measurement. If no further measurements are needed, switch off the Autovisc to preserve battery life.

SPECIFICATION:

Digital Counter:	0-99999.9 seconds, 0.1 second increments
Max. cup diameter:	58mm
Max. cup orifice:	8mm
H x W x D:	300 x 210 x 210mm
Weight:	3.5kg net
Power Supply:	Portable operation: 9V alkaline batteries Mains operation: 220V 50Hz / 110V 60Hz (European, UK and USA plugs supplied)
Temp/AH range:	+ 15 - +35°C, 80% AH
Accuracy:	±0.5%
Repeatability:	±0.5%

ORDERING INFORMATION:

Ref 450N: Autovisc supplied with cover plate, flow cup filling stand, spirit level and ISO adapter sleeve

RELATED PRODUCTS - Please ask for Data sheet

Ref 441:	Calibration oils (500ml) ±0.2% accuracy
Ref 401:	Flow Cup, conforming to BS3900:A6:1971
Ref 406:	Flow Cup, conforming to ASTM D1200
Ref 417:	Flow Cup, conforming to BS EN ISO 2431, BS3900:A6, 1996 and ASTM 5125
Ref 404:	Flow Cup, conforming to DIN 53211

Owing to continuous development, we reserve the right to introduce improvements and modify specifications without prior notice.

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