ANALOGUE DIAL READING VISCOMETER / VISCOSITY METER

PCE-RVI 1



- **Offering an adjustable rotational speed, this portable analogue viscometer:**
- **Provides a coefficient table on top of the motor housing for on-the-spot**
- **calculations of absolute viscosity**
- **Uses electric power to maintain a constant speed of either 6, 12, 30 or 60**
- **revolutions per minute (rpm)**
- **Features a built-in level and adjustable feet to ensure measurement precision**

PCE-RVI 1 is an analogue viscometer or dial reading viscometer used in industrial and research applications to measure the viscosity of fluids such as paints, lacquers, inks, pastes, adhesives, plastics, greases and liquid food products. Under identical conditions, test results from an analogue viscometer are as accurate and reproducible as results from a digital viscometer. Thus, the PCE-RVI 1 analogue viscometer offers an affordable solution for viscosity measurement during product and material testing, development, production and quality control.

Basic operation
Prepare the liquid to be measured and put it into a glass beaker or a right angle container with a diameter no smaller than 70 mm and a height no smaller than 130 mm. Adjust the lifting screw and put the spindle into the liquid until the level mark on the spindle reaches the liquid's surface. Connect the power supply, turn on the equipment, screw the speed knob, select the velocity and relax the pointer joystick. When selecting a rotational speed of 6 or 12 rpm, the final measurement value may be read when the pointer becomes stable. When selecting 30 or 60 rpm, press the pointer joystick after pointer becoming stable, cut power supply, then read the final measurement value.

Specification

Viscosity	
Measuring range	100 ... 100000 mPa s
Accuracy	±5% (for Newtonian fluid)

General technical data	
Display type	without display
Spindle	NO 1 - 4
Adjustable speed	6, 12, 30, 60 /min
Protection class (device)	IP20
Power supply	220V AC | 50 ... 60 Hz
Connector type	Device-europlug
Operating conditions	5 ... 35 °C , 0 ... 80 % RH
Storage conditions	5 ... 35 °C , 0 ... 80 % RH
Dimensions (L x W x H)	300 x 300 x 450 mm
Weight	1500 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 464902 0
info@pce-instruments.co.uk