



Paint Viscosity Tester PCE-RVI 2 V1L



PCE-RVI 2 V1L Viscometer / Viscosity Meter

Rotational viscometer with temperature sensor to measure liquid viscosity in accordance with BS, ISO and ASTM standards

PCE-RVI 2 V1L is a rotational viscometer used in industrial and research applications to measure viscosity according to BS, ISO and ASTM standards. Featuring a plug-and-play sensor for temperature control to help ensure accurate test results, this digital viscometer is delivered with spindles L1, L2, L3 and L4 and displays measurements in millipascal-second (mPa.s) or centipoise (cP), depending on the rotational speed and the type of spindle used.

Basic operation

Turn on the viscometer by pressing the main switch. Once the display shows the latest saved parameters (spindle and rate), press the up or down buttons to find the applicable spindle and press the enter button to select it. Next, use the up and down buttons to find the rotational speed (rpm) and press the enter button to select it. The parameter "range" informs you about the maximum measurable viscosity value of the chosen spindle and rpm. The notification "Press start" will appear. Be sure your sample is in place before pressing the start button, as the start button begins rotation of the spindle and commences measurement.

Ideal for testing, development, manufacture and quality control in the food, chemical and cosmetics industries as well as for the study of materials, this classic viscometer:

- ▶ Contains a bright, easy-to-read LCD digital display
- ▶ Includes a protective, foam-filled, hard-plastic carrying case
- ▶ Comes with a temperature sensor for measuring the temperature of the sample or the air
- ▶ Offers an integrated RS-232 interface or communications port for sending results to a printer
- ▶ Maintains 19 rotational speed levels: 0.3, 0.5, 0.6, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 10, 12, 20, 30, 50, 60, 100 and 200 revolutions per minute (rpm)

Subject to change

Specifications

Technical specifications

Rotational speed 0.3, 0.5, 0.6, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 10, 12, 20, 30, 50, 60, 100 and 200 rpm

Torque range Rotational viscometer (RV)

Viscosity range

Millipascal-second (mPa.s) / Centipoise (cP) 3 ... 2,000,000 mPa.s / 3 ... 2,000,000 cP in 76 ranges; 19 revs with 4 spindles

Temperature sensor specifications

Measuring range -15 ... +180 ° C / +5 ... +356 ° F

Resolution 0.1 ° C / 0.1722 ° F

Accuracy ±0.1 ° C

General specifications

Accuracy ± 1% full scale (FS)

Repeatability ± 0.2% FS

Power supply 100 ... 240 V / 50 ... 60 Hz

Current consumption 0.2 A

Operating temperature +10 ... +40 ° C / +50 ... 104 ° F

Relative humidity < 80%

Maximum altitude 2,000 m / 6,561 ft above sea level

Approx. dimensions 330 x 300 x 430 mm / 13.0 x 11.8 x 17.0 in

Approx. weight 10.0 kg / 22.1 lbs

Standards BS 6075, BS 5350, ISO 2555, ISO 1652, ASTM 115, ASTM 789, ASTM 1076, ASTM 1084, ASTM 1286, ASTM 1417, ASTM 1439, ASTM 1638, ASTM 1824, ASTM 2196, ASTM 2336, ASTM 2364, ASTM 2393, ASTM 2556, ASTM 2669, ASTM 2849, ASTM 2983, ASTM 2994, ASTM 3232, ASTM 3236 and ASTM 3716

See user manual for complete technical specifications and operating instructions.

More information

Manual



Video



More product info



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