



Viscometer

PCE-RVI 2



The viscometer has a measuring range of 1 ... 100,000 cP. With an accuracy of $\leq \pm 2\%$ of the range, the viscometer is a precise measuring device to determine the viscosity of a sample liquid. The viscosity is determined by the viscometer on the basis of an applied mechanical resistance that acts in the opposite direction to the rotational movement of a spindle. The viscometer can be operated with an adjustable speed in the range between 6... 60 RPM.

Many fluids are exposed to thermal stress and therefore change their viscosity, such as engine oils. This is exactly where the viscometer comes in. With the immersion temperature sensor, the temperature of a test object can be determined during the measurement between 0 ... 100 °C. The viscometer can be connected to a PC via the RS232 interface in order to obtain a progression of the measurement. The optional software can then be used to create a temperature and viscosity curve during a measurement.

The viscometer can be leveled using the feet so that the measuring spindle is always vertical in the medium to be measured. To check the correct alignment there is a level on the viscometer. At the same time, the height of the test device can be adjusted by a total of 25 cm by the viscometer in order to position the spindle appropriately.

- ▶ spindle set consisting of L1, L2, L3, L4
- ▶ measurement accuracy $\leq \pm 2\%$ of measuring range
- ▶ temperature measurement
- ▶ built-in bubble level for leveling
- ▶ optionally with analysis software
- ▶ network operation

General Features PCE- RVI 2

Measuring range	1 ... 100,000 cP
Accuracy	<±2 % of measuring range
Resolution	0.01 cP
Repeatability	±0.5 %
Temperature sensor	resistance temperature sensor
Temperature measurement measuring range	0 ... 100 °C / 32 ... 212 °F
Temperature measurement accuracy	0.1 °C
Adjustable measuring time	30 seconds ... 1 hour or endless
Resolution of the measurement time	30 seconds
Adjustable speed	6, 12, 30, 60 RPM
Sample volume	250 ... 400 ml / 8.4 ... 13.5 fl oz (depending on the spindle)
Spindle	L1 ... L4
Interface	RS232 (SUB D9)
Height adjustability	25 cm / 9.8"
Power supply	primary: 100 ... 240 V AC , 50 / 60 Hz secondary 12 V DC, 2 A
Ambient conditions	5 ... 35 °C / 41 ... 95 °F, <80 RH, non-condensing
Dimensions	400 x 200 x 430 mm / 15.7 x 7.8 x 16.9"

Subject to change