ROTARY VISCOSIMETER WITH TOUCHSCREEN

PCE-RVI 10-ICA



- **Viscosity measuring range: 10 ... 2,000,000 cP (various units can be displayed)**
- **Accuracy: ± 1% of full scale (with Newtonian liquid)**
- **Rotation speeds: 0.3, 0.6, 1.5, 3, 6, 12, 30, 60 rpm**
- **5" touch screen with simple interface**
- **Immersion temperature sensor up to 100 °C or 212 °F**
- **Spindle set consisting of L1, L2, L3, L4**
- **Height adjustable approx. 25 cm**
- **Built-in bubble level for leveling**
- **Optional L0 spindle down to 1 cP**
- **incl. ISO-Calibration Certificate**

The viscometer measures by means of the mechanical resistance of any liquid that acts in the opposite direction to the rotational movement of a spindle. This results in a torque that is recognized by the viscometer and converted into a viscosity value. With an accuracy of ± 1.0%, the rotary viscometer is a very precise measuring device despite the high measuring range of 10... 2,000,000 cP or mPa*s. With the immersion resistance temperature sensor on the viscometer, the temperatures of the liquids to be tested can be measured between 0 and 100 °C or 0 and 212 °F.

This viscometer is used, for example, in the quality control of oils. Many oils change their viscosity depending on the temperature. Thanks to the timer function, the rotary viscometer can work independently for the period set by the operator. In the meantime, the measurement data is transferred from the rotary viscometer to a PC via the RS232 interface.

Specification

Viscosity	
Measuring range	1 ... 2000000 mPa.s
Resolution	0,01 mPa.s
Accuracy	±1.0 % v.Mb.
Temperature	
Measuring range	0 ... 100 °C
Resolution	0,1 °C
Accuracy	0.1 °C

General technical data	
Repeatability	±0.2 % of the set measuring range
Units	Pa·s, millipascals per second, decapitalization rate, P, cP
Display Typ	LC Touch Display
Display size	5 Inch
Interface	RS232
Sensor	Resistance temperature sensor
Adjustable speed	0,3, 0,6, 1,5, 3, 6, 12, 30, 60 RPM
Menu language	English (US), English (GB)
Protection class (device)	IP21
Power supply	100 ... 240V AC | 50 / 60 Hz
Connector type	Device Europlug
Operating conditions	10 ... 40 °C , 10 ... 80 %RH
Storage conditions	0 ... 50 °C , 10 ... 80 %RH
Dimensions (L x W x H)	430 x 320 x 275 mm
Weight	5400 g

PCE Americas Inc. dba PCE Instruments
1201 Jupiter Park Drive, Suite 8
Jupiter, FL 33458
USA

Phone: +1-561-320-9162
info@pce-americas.com