∃Fungilab

Leading viscosimetry technology

ROTATIONAL VISCOMETERS

Expert series

Add essential performances to determine viscosity and other rheological features to homogenious samples.

2 YEARS WARRANTY

Standard Delivery

Viscometer head with serial number / Stand, 3 levelling adjustment for stand / Boss head / Standard spindles / Spindle protector / Spindle rack / PT100 probe / Power supply cable / Datalogger software in CD / USB cable / Carrying case / Calibration Certificate / Operating manual

NOTE: All parts (including the viscometer stand) find room in the Carrying case.

Extra Accessories

APM (Small Sample Adapter) / LCP (Low Viscosity Adapters) / Heldal unit (High Viscosity Adapter) / Silicon Standard Oils / Thermostatic Bath / Universal adapter for all accesories such as Brookfield (Optional) / PPR Plugging System (Optional)

NOTE: The material of the accessories including the temperature probe can be changed under customer specification (High Temperature Resistance).

Alpha Series



Smart Series



Premium Series



TOUCH KEYBOARD ◀

Latest keyboarding technology, comfortable and easy to handle (12 Keys)

PROGRAM FEATURES

Time to torque
Time to stop
10 working memories
Customizable option (54 Speeds)
Programmable: Multistep/Ramp
Unit Converter (IS or CGS)

VISCOSITY READINGS

Absolute viscosity (cP or mPa·s)
Apparent Viscosity (cP or mPa·s)
Kinematic viscosity (cSt, mm²/sec)
(Density introduced by the user)

AUTO-TEST

It checks the internal function in order to make the unit ready to use

UNIVERSAL ADAPTER

All accessories such as Brookfield (Optional) www.fungilab.com



► GRAPHIC DISPLAY

≣Fungilab EXPERT

→ Instrument Setup Measurement Test Profiles Programing Options

≣Fungilab

Provides huge range of graphical options

► 10 WORKING MEMORIES

Set up the unit and get it ready to be used every day choosing the memory you need

▶ USB INTERFACE

Faster transfer data to the computer

DATA DISPLAYED

Selected Speed
Selected Spindle
Viscosity readings (cP or mPa·s or cSt)
Percentage of Full Scale Range (%)
Sample Temperature (°C or °F)
Shear rate (with coaxial spindles) (s-1)
Shear Stress (with coaxial spindles) (N/m²)
Density (introduced by the user) (g/cm³)

► DATALOGGER SOFTWARE INCLUDED

USB allows data transfer to a Excel format

Main Features

- > Touch key board 12 keys.
- > Direct readout on a graphic display.

Density (introduced by the user)

> Data displayed:

Selected speed r.p.m.
Selected spindle SP
Viscosity reading cP (mPa·s) or cSt
Percentage of full scale %
Sample temperature °C or °F
Shear Rate (with coaxial spindles) SR (s-1)
Shear Stress (with coaxial spindles) SS (N/m2)

- Viscosity reading: dynamic viscosity (cP or mPa·s) or kinematics viscosity (cSt).
- > Unit converter SI to CGS.
- > Program features:

Time to torque: target torque pre-setting device.

Time to stop: target time pre-setting device.

10 working memories.

Costumizable Options.

Programmable.

Multistep.

Ramp.

- > AUTO-TEST with sound and visual malfunction alarm.
- > AUTO-RANGE function.
- > Temperature reading by PT100.
- > User-enabled viscosity and temperature calibration.
- > 10 language options.
- > Interface: USB.
- > Datalogger Software: USB allows data transfer to a PC Excel format.

Standard delivery: The equipment is supplied complete with standard spindles (4 spindles for L model, and 6 spindles for R and H models),

viscometer stand and spindle protector, carrying case, USB cable and Datalogger Software.

Technical File

- > Precision: ± 1% of full scale
- > Resolution:

With low viscosity adapter: 0.01
For lower than 10.000 viscosity cP: 0.1
For viscosity equal to or above 10.000 cP: 1

- > Repeatability: 0.2%
- > Thermometer features: Temperature margins: 0°C to +100°C 32°F to 212 0 °F

Resolution: 0.1ºC / 0.1722 ºF

Precision: +/- 0.1 °C
Type of probe: PT100

> Supplied at 100-240 VAC, 50/60 Hz

Spindles

a/cm3

AISI 316 stainless steel spindles, easily identified by number and letter when changed according to range of viscosity.

These are the standards our units follow:

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



Easy identification, on your first look at the equipment, you identify it.



PT100 temperature probe is suitable adjusted by a clip which is attached to the spindle protector.



Front view of the viscometer,
touch keyboard with 12 keys
and graphic display.

	R downloade			
	Number: PRE	L400009		
Spindle: L2				
Date: 20/01/2				
Init acquisitio	n time: 17:43:	11		
End acquisiti	on time: 17:44	105		
Time increme	int between m	easurements:	00:00:01	
Density 1.00 RPM 50.000 Viscosity unit Temperature Density units	000 ts: centiPoise units: °C			
Viscosity	% EOS	Temperature		
457.902527	76.3333664	NO PROBE		
	77.5860672			
466.96521	77.8441391	23.0245705		
466.96521	77.8441391	23 0245705		

DATALOGGER SOFTWARE

Let the viscometer gather measurement data and store them in its internal memory (set these options when configuring a measurement with the keypad). More than 10,000 data points can thus be stored inside the viscometer. Then use this software to export the stored data as Microsoft EXCEL format. (No computer skills needed).



