

Fungilab Quality + Low Budget = Viscolead Series

## ROTATIONAL VISCOMETERS

# Viscolead Pro

Professional and Accurate viscosity results. Customize your measurement.

## 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 accessories 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).

### ■ PROGRAM FEATURES

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

### ■ USB INTERFACE

Faster transfer data to the computer

### ■ AUTO-TEST

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

### ■ VISCOSITY READINGS

Absolute viscosity (cP or mPa-s)  
Apparent viscosity (cP or mPa-s)  
Kinematic viscosity (cSt, mm<sup>2</sup>/sec)  
(Density introduced by the user)

### ■ 10 WORKING MEMORIES

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

### ■ 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/m<sup>2</sup>)  
Density (introduced by the user) (g/cm<sup>3</sup>)

### ■ UNIVERSAL ADAPTER

All accessories such as Brookfield (Optional)

### ■ DATALOGGER SOFTWARE INCLUDED

USB allows data transfer to a Excel format



## Main Features

- > 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<sup>-1</sup>)
  - Shear Stress (with coaxial spindles) SS (N/m<sup>2</sup>)
  - Density (introduced by the user) g/cm<sup>3</sup>
  - Step Program Status
- > Viscosity reading: dynamic viscosity (cP or mPa·s) or kinematics viscosity (cSt).
- > Program features:
  - Time to torque: target torque pre-setting device.
  - Time to stop: target time pre-setting device.
  - Step.
  - Multistep.
  - Ramp.
  - 10 working memories.
- > AUTO-TEST with sound and visual malfunction alarm.
- > AUTO-RANGE function.
- > Temperature reading by PT100.
- > User-enabled viscosity and temperature calibration.
- > 10 language options.

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: 0.1°C / 0.1722°F
  - Precision: +/- 0.1 °C
  - Type of probe: PT100
- > Supplied at 100-240 VAC, 50/60 Hz
- > **Software: FUNGILAB DATA BOSS**  
The Fungilab Data Boss software complies the FDA 21CFR PART 11 regulation

## Spindles

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



Viscolead One



Viscolead Adv

Code	Model	Measuring Range (cP)	Speed (r.p.m.)	Number of speeds
V400003	VISCOLEAD PRO L	20 - 6.000.000	0.01 - 200	54
V400002	VISCOLEAD PRO R	100 - 40.000.000	0.01 - 200	54
V400001	VISCOLEAD PRO H	200 - 106.000.000	0.01 - 200	54



Products for Research, Analysis and Quality Control

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