# **∃Fungilab**

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 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).

## ■ 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, mm²/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

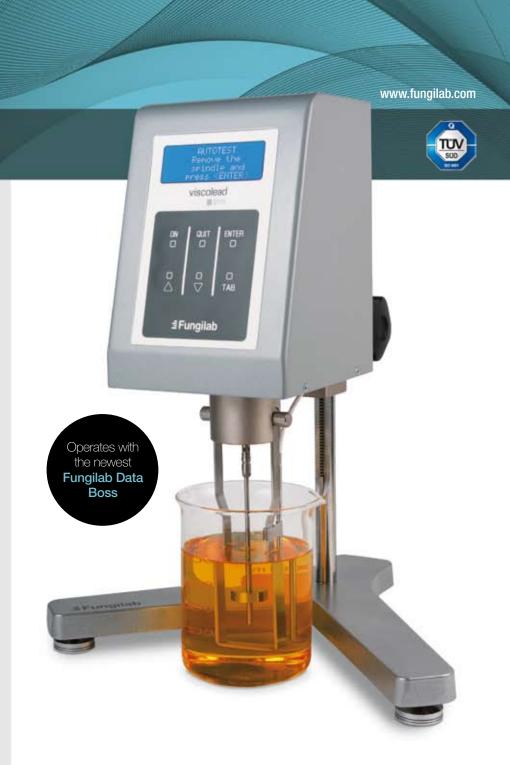
Selected Speed
Selected Spindle
Viscosity readings (cP or mPa·s or cSt)
Percentage of Full Scale Range (%)
Sample Temperature (°C or °F)
Shear rate (with coaxial spindles) (s-1)
Shear Stress (with coaxial spindles) (N/m²)
Density (introduced by the user) (g/cm³)

#### ■ UNIVERSAL ADAPTER

All accessories such as Brookfield (Optional)

## ■ DATALOGGER SOFTWARE INCLUDED

USB allows data transfer to a Excel format



graphic design **@mediactiu** 

#### **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-1)

Shear Stress (with coaxial spindles) SS (N/m2)

g/cm3

Step Program Status

Density (introduced by the user)

> 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:

0ºC to +100ºC

32ºF to 212.0ºF

Resolution: 0.1ºC / 0.1722ºF

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



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