Fungilab

Leading viscosimetry technology

ROTATIONAL VISCOMETERS

Premium series

Viscometer monitored by our Fungilab Data Boss software, offer a wide and unique range of rheological applications.

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 a 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**   Expert **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 (Speeds)
Programmable: Multistep/Ramp
Unit Converter (IS or CGS)

SPECIAL FEATURES
Graphic mode allows to analyze & visualyze characteristics of the flow curves / 2600 Speeds to measure wide range of viscosity samples / Bidirectional USB interface

USB INTERFACE
Faster transfer data to the computer

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

UNIVERSAL ADAPTER
All accessories such as Brookfield (Optional)

GRAPHIC DISPLAY
Provides huge range of graphical options

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 (ºC or ºF)
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.
> Data displayed:

Selected speed	r.p.m.
Selected spindle	SP
Viscosity reading	cP (mPa·s) or cSt
Percentage of full scale	%
Sample temperature	ºC or ºF
Shear Rate (with coaxial spindles)	SR (s-1)
Shear Stress (with coaxial spindles)	SS (N/m2)
Density (introduced by the user)	g/cm3
Step Program Status	
Analyze & visual characteristics (flow curves)	

> 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.
  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.

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:
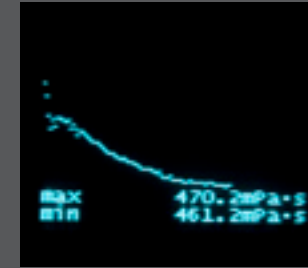 Temperature margins:
  0ºC to +100ºC
  32ºF to 212.0 ºF

Resolution: 0.1ºC / 0.1722 ºF
Precision: +/- 0.1 ºC
Type of probe: PT100
> Supplied at 100-240 VAC, 50/60 Hz

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

See in detail the new graphic
display showing the flow curve
using the graphic mode program.

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

See the program options in detail:
> TTT & TTS
> Speed settings
> Multistep
> Ramp

FUNGILAB DATA BOSS

Provides instantaneous viscosity
flows curves. Up to four data sets
may be plotted simultaneously.
Math modelling for yield stress
calculations (Bingham Plastic,
Casson, Power Law, IPC Paste
analysis). More than 12 viscosity
plots can be configured. Offers
very easy graphic presentation
of data and stores the data in a
Microsoft Access database.

Code	Model	Measuring Range (cP)	Speed (r.p.m.)	Number of speeds
V400003	PREMIUM L	20 - 6.000.000	0.01 - 250	2,600
V400002	PREMIUM R	100 - 40.000.000	0.01 - 250	2,600
V400001	PREMIUM H	200 - 106.000.000	0.01 - 250	2,600

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Products for Research, Analysis and Quality Control

graphic design ✆ **mediactiu** fresh creativity