Leading viscosimetry technology

ROTATIONAL VISCOMETERS

Alpha series

Alpha series rotational viscometers allow fast and accurate viscosity readings. They are low budget and easy to use.

2 YEARS WARRANTY

Standard Delivery

Viscometer head with serial number / Stand, 3 levelling adjustment for stand / Boss head / Standard spindles / Spindle protector / Spindle rack / Power supply cable / Calibration Certificate / Operating manual

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).

Smart **Series**   Expert **Series**   Premium **Series**

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→ Instrument Setup
  Measurement
  Information

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ALPHA

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4 LINES LCD DISPLAY AND KEYBOARD CONTROLS ◄

LANGUAGE OPTIONS ◄
English / French / German / Catalan / Spanish / Italian / Japanese / Polish / Dutch / Portuguese

SOUND ALARM ◄
Under or over range

UNIVERSAL ADAPTER ◄
All accessories such as Brookfield (Optional)

▶ **FRIENDLY USER**

▶ **AUTO RANGE**
Display of maximum measurable limits

▶ **DISPLAYED INFO**
Viscosity (cP or mPa·s)
% Torque
Spindle
Speed

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

Main Features

> Data displayed

    Selected speed   r.p.m

    Selected spindle   SP

    Viscosity reading   cP (mPa•s)

    Percentage of full scale   %

> Relative and absolute viscosity.
> Unit converter SI to CGS.
> AUTO-TEST with sound and visual malfunction alarm.
> AUTO-RANGE function.
> User-enabled 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.

Technical File

> Precision: ± 1% of full scale.

> Resolution:
    Using 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%
> 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

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

Detail of the 4 lines LCD and the keyboard controls. Unit menu is clearly showed.

Code	Model	Measuring Range (cP)	Speed (r.p.m.)	Number of speeds
V100003	ALPHA L	20 - 2.000.000	0.3 - 100	18
V100002	ALPHA R	100 - 13.000.000	0.3 - 100	18
V100001	ALPHA H	200 - 106.000.000	0.3 - 100	18

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Products for Research, Analysis and Quality Control

graphic design ✆ **mediactiu**

≡ Fungilab

Leading viscosimetry technology

ROTATIONAL VISCOMETERS

Smart series

Indispensable in QC and R&D laboratories.

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 (optional) / 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**   Expert **Series**   Premium **Series**

TOUCH KEYBOARD ◄
Latest keyboarding technology,
comfortable and easy to
handle (6 keys)

PROGRAM FEATURES ◄
Time to Torque
Time to Stop

DATA DISPLAYED ◄
Selected Speed
Selected Spindle
Viscosity readings (cP or mPa·s or cSt)
Percentage of Full Scale Range (%)
Sample Temperature (Optional, ºC or ºF)
Shear rate (with coaxial spindles) (s-1)
Shear Stress (with coaxial spindles) (N/m^2)
Density (introduced by the user)(g/cm^3)

TEMPERATURE READING ◄
BY PT100 (Optional)

UNIVERSAL ADAPTER ◄
All accessories
such as Brookfield
(Optional)

▶ **GRAPHIC DISPLAY**
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

▶ **VISCOSITY READINGS**
Absolute viscosity (cP or mPa·s)
Apparent Viscosity (cP or mPa·s)
Kinematic viscosity (cSt, mm^2/sec)
(Density introduced by the user)

▶ **USB INTERFACE**
Faster transfer data
to the computer

▶ **DATALOGGER
SOFTWARE INCLUDED**
USB allows data transfer
to a Excel format

Main Features

> Touch key board 6 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 (Optional)
Shear Rate (with coaxial spindles)	SR (s-1)
Shear Stress (with coaxial spindles)	SS (N/m2)
Density (introduced by the user)	g/cm3

> 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.
> AUTO-TEST with sound and visual malfunction alarm.
> AUTO-RANGE function.
> Temperature reading by PT100 (optional).
> User-enabled viscosity and temperature (optional) 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:
  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

Rear view to the viscometer showing the new USB interface that provides a faster transfer of data to the computer.

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

Front view of the viscometer, touch keyboard with 6 keys and graphic display.

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).

Code	Model	Measuring Range (cP)	Speed (r.p.m.)	Number of speeds
V200003	SMART L	20 - 2.000.000	0.3 - 100	18
V200002	SMART R	100 - 13.000.000	0.3 - 100	18
V200001	SMART H	200 - 106.000.000	0.3 - 100	18

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)

▶ **GRAPHIC DISPLAY**
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 (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

> 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:
  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.

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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.

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).

Code	Model	Measuring Range (cP)	Speed (r.p.m.)	Number of speeds
V300003	EXPERT L	20 - 6.000.000	0.01 - 200	54
V300002	EXPERT R	100 - 40.000.000	0.01 - 200	54
V300001	EXPERT H	200 - 106.000.000	0.01 - 200	54

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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
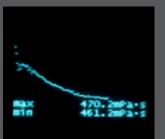Type of probe: PT100
> Supplied at 100-240 VAC, 50/60 Hz

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

graphic design **mediactiu** fresh creativity

Fungilab

Products for Research, Analysis and Quality Control