



EVO Expert

Innovative equipments with an advanced design and multifunctional viscosity measurements.

- A user-friendly fungilab APP.
- Interface Bluetooth.
- Colour TFT screen for easy readings and fast data recognition.
- Intuitive full-touch keypad: data at your fingertips.
- New USB connection: Type A 2.0 generation for downloading data to the Pc or Pendrive.
- The Bluetooth connection allows the overturned of our experiments to a Tablet.

Screen Data

Selected speed	rpm
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/m ²)
Density (introduced by the user)	g/cm ³

Viscosity reading

Dynamic viscosity	cP or mPa·s
Kinematics viscosity	cSt
Units Converter	from SI to CGS

Program features

Time to torque: Ending of the test upon reaching a programmed torque
 Time to stop: Ending of the test upon reaching a programmed time
 Multistep: possibility to programme several essays in a successive way
 Ramps: essay programation with an initial and final speed in an specific time
 10 working memories

Other main features

AUTO-TEST with visual and resonant alarm
AUTO-RANGE function
Temperature Reading through PT100 probe
User-enabled viscosity and temperature calibration
6 language options
Port: USB
Datalogger: Possibility to transfer data to a pendrive into Excel format
Statistics: Possibility to see data in graphics
Download all data through the bluetooth app

Spindles

AISI 316 Stainless steel spindle, easily to identify according to its letter and number, in terms of the range of viscosity.

Our units fulfill the next standards:

These are the standards our units follow: BS: 6075, 5350

- 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

Standard delivery

- The equipment is supplied complete with standard spindles
 - 4 spindles for L model
 - 6 spindles for R and H models
- Viscometer stand
- Spindle protector
- Temperature probe PT100
- Carrying case
- USB cable
- External power supply

Technical specifications

Precision: +/- 1% full scale of range

Resolution:

For a minor viscosity of 100 cP : 0.01 cP

For a major viscosity of 1000 cP : 0.1 cP

For a major viscosity of 5000 cP : 1.0 cP

For a major viscosity of 10.000 cP : 5.0 cP

For a major viscosity of 25.000 cP : 10.0 cP

For a major viscosity of 50.000 cP : 25.0 cP

For a major viscosity of 100.000 cP : 100.0 cP

For a major viscosity of 1.000.000 cP : 1.000.0 cP

Repeatability: 0.2%

Temperature probe features:

Temperature limits:

-40°C to 300°C

-40°F to 572°F

Resolution: 0.1°C / -17.722 °F

Precision: +/- 0.2°C / +/- 17.666 °F

Type of probe: PT100

Supplied at 110-240VAC, 50/60 Hz.

Software: Fungilab Data Boss

The Fungilab Data Boss software complies the FDA 21CFR PART 11 regulation

Accessories

APM Small Sample Adapter with circulation jacket (without TL or TR spindles)

Sample volume (6.7 - 13 ml.)

Compatible with Brookfield viscometers

APM/B Small Sample Adapter without circulation jacket (without TL or TR spindles)

Sample volume (6.7 - 13 ml.)

Compatible with Brookfield viscometers

LCP Low Viscosity Adapter with circulation jacket (with spindle)

Sample volume (16 ml.)

Compatible with Brookfield viscometers

LCP/B Low Viscosity Adapter without circulation jacket (with spindle)

Sample volume (16 ml.)

Compatible with Brookfield viscometers

HELDAL Helix Drive Unit

Accessory for measuring non-flowing substances viscosity (with spindles)

THERMOSPHERE Temperature control unit up to 300 °C

Code	Model	Measuring Range (cP)	Speed (r.p.m)	Number of speeds
VE320003BT	EVO EXPERT L	*1 - 6.000.000	0.01 - 250	2600
VE320002BT	EVO EXPERT R	25 - 40.000.000	0.01 - 250	2600
VE320001BT	EVO EXPERT H	200 - 320.000.000	0.01 - 250	2600

The viscosity range of the equipment is referenced between 0.01 and 100 rpm.

PPR Fast spindle switch (push plug and release)

Code	Model	Measuring Range (cP)	Speed (r.p.m)	Number of speeds
VE321003BT	EVO EXPERT L + PPR	*1 - 6.000.000	0.01 - 250	2600
VE321002BT	EVO EXPERT R + PPR	25 - 40.000.000	0.01 - 250	2600
VE321001BT	EVO EXPERT H + PPR	200 - 320.000.000	0.01 - 250	2600

The viscosity range of the equipment is referenced between 0.01 and 100 rpm.

Ranges

- (L) Low viscosity model
- (M) Medium viscosity model
- (H) High viscosity model

Low viscosity: The minimum viscosity when using a "L" range with standard spindles is 10cP. (*)
For measurements <10cP, its recommended to use in conjunction with the low viscosity adaptor (LCP or LCP/B)