evo | expert

ROTATIONAL VISCOMETER

Fungilab Evo Series for advance performance and multifunctional viscosity measurements.

New features for your viscosity measurements with the new Evo Series:

Colour TFT screen, for easy readings and fast data recognition.

New intuitive Full Touch key pad: select your data in one touch.

Light-up Led: unit guides you to the proper functionality.

New USB connection: Type A 2.0 generation for downloading data to your PC.

Wi-Fi: integrated in system for easy control and access to your measurements.

OPTIONAL: PPR (Push, Plug and Release) System for fast spindle change.

Fungilab
LEADING VISCOSITY TECHNOLOGY

Technical Specifications

• Resolution:

Viscosities up to	100 cP	0.01cP
Viscosities up to	1.000 cP	0.1 cP
Viscosities up to	5.000 cP	1.0 cP
Viscosities up to	10.000 cP	5.0 cP
Viscosities up to	25.000 cP	10.0 cP
Viscosities up to	50.000 cP	25.0 cP
Viscosities up to	100.000 cP	100.0 cP
Viscosities above	100.000 cP	1.000 cP

• Repeatability: 0.2%

• Accuracy: ± 1% full scale

• Temperature specifications
  • Temperature range: -40ºC to +300ºC
  • Resolution: 0.1ºC
  • Probe type: PT100

Spindles

AISI 316 stainless steel spindles, marked for easy identification.

Additional accessories for Evo Series:

APM (Small Sample Adapter)
LCP (Low Viscosity Adapter)
Heldal unit (helicoidal movement motor for non flowing substances)
Standard viscosity oils for viscometer verification
Thermostatic baths

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	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 o mPa•s) or Kinematic viscosity (cSt).
Unit Converter (IS or CGS).

Programs description:
Time to torque & time to stop
9 working memories
Customizable speeds
Step
Ramp
AUTO-TEST: Automatic viscometer check with sound and visual malfunction alarm.
AUTO-RANGE: Displays viscosity range with the selected combination of spindle/RPM.
Temperature measurement with PT100 probe.

FDB Software for Evo Series:

Viscometer Evo Expert can be controlled remotely using the Fungilab Data Boss (FDB) software. This software allows the documentation of each experiment with a name, date, number, user, notes, etc., which is essential for performing follow-up experiments. The possibility of programming the viscometer for simple measurements, ramps and other configurable tests is an important tool for the study of the materials' various behaviors. The Data Boss software complies with the FDA 21CFR PART 11 regulation.

Standard delivery for Evo Series:

Viscometer head with serial number / Stand with 3 level adjustment / Standard spindles / Spindle protector / Spindle rack / PT100 probe / Power supply cable / DataBoss software in USB flash drive / USB cable/ Carrying case / Calibration certificate / Operating manual / 2 years warranty NOTE: All parts fit in the carrying case.

CODE	MODEL	MEASURING RANGE (cP)	SPEED (r.p.m.)	NUMBER OF SPEEDS
VE320001	EVO EXPERT H	200 - 106.000.000	0.01 - 250	2,600
VE320002	EVO EXPERT R	100 - 40.000.000	0.01 - 250	2,600
VE320003	EVO EXPERT L	15 - 6.000.000	0.01 - 250	2,600

The Evo Series complies with the following norms and standards amongst others:
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.