



DIGITAL ROTATIONAL VISCOMETERS

The New Fungilab Evo Thermosphere Asphalt Industry Series offers the latest in SHRP asphalt binder testing equipment specifically designed to meet the requirements of AASHTO T316 / ASTM D4402 high temperature test methods for asphalt binders. The precision and accuracy for controlling sample temperature up to +300°C is ideal for the asphalt industry as well as high viscosity samples.

New features

- Compatible with Fungilab Rotational Viscometer Series
- Defined temperature up to 300°C
- External device easy to use to control the temperature while measuring



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/m ²)
• Density (introduced by the user)	g/cm ³
- Viscosity reading: dynamic viscosity (cP or mPa·s) or kinematics viscosity (cSt).
- Unit converter SI to CGS.
- Program features:
 - Time to torque & Time to stop
 - 9 working memories
 - Customizable speed options
 - Multistep
 - Ramp
- AUTO-TEST: automatic internal viscosimeter checking
- AUTO-RANGE: full scale range for combination spindle speed.
- Temperature reading by PT100.
- User-enabled viscosity and temperature calibration.
- 6 language options.

Technical Specifications

- 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: -40°C to +300°C
- Resolution: 0.1°C / 0.1722 °F
- Precision: +/- 0.1 °C
- 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

Accuracy

- Ambient to 80°C < 0.5°C
- 80°C to 150°C < 1.0°C
- 150°C to 300°C < 1.5°C

DIGITAL ROTATIONAL VISCOMETERS

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.



Datalogger for Evo Expert

The option 'PRINTER/USB PEN' allows the data download to an external USB. This process offers you the possibility to work with the data gathered by the unit in your PC in an Excel® file format. Easy to use and to manage your viscosity measurements in just one touch.

FDB Software for Evo Expert

The FDB software developed by Fungilab. Establishing viscosity programs, documenting the procedure and the results in real time are some of the options offered by the Fungilab Data Boss software developed by FUNGILAB. The software has been designed to be very intuitive. The option menu provides a clear view of the program. The help menu provides charts and descriptive texts that offer a clear explanation of working options.

Standard Delivery includes:

- Choice of spindle (one spindle)
- Alignment bracket
- Thermo container with safety guard and insulating cap
- Extracting tools
- Temperature controller

Standard delivery for Evo Series

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.

2 YEAR WARRANTY

CODE	MODEL	MEASURING RANGE (Cp)	SPEED (r.p.m.)	NUMBER OF SPEEDS
Cenová nabídka na DOTAZ : Jilek@reotrade.cz	EVO EXPERT L	24 - 60.000.000	0.01 - 250	2600
	EVO EXPERT R	40 - 400.000.000	0.01 - 250	2600
	EVO EXPERT H	320 - 3.200.000.000	0.01 - 250	2600