



Fungilab

LEADING VISCOSITY TECHNOLOGY

ViSeries 



FUNGILAB IS EXPANDING
THE SCOPE OF SCIENTIFIC
INSTRUMENTATION





MATCHING INNOVATION AND PRECISION,
FUNGILAB HAS EXCEEDED ALL
EXPECTATIONS BY DELIVERING ONLY
THE FINEST IN NEW TECHNOLOGY





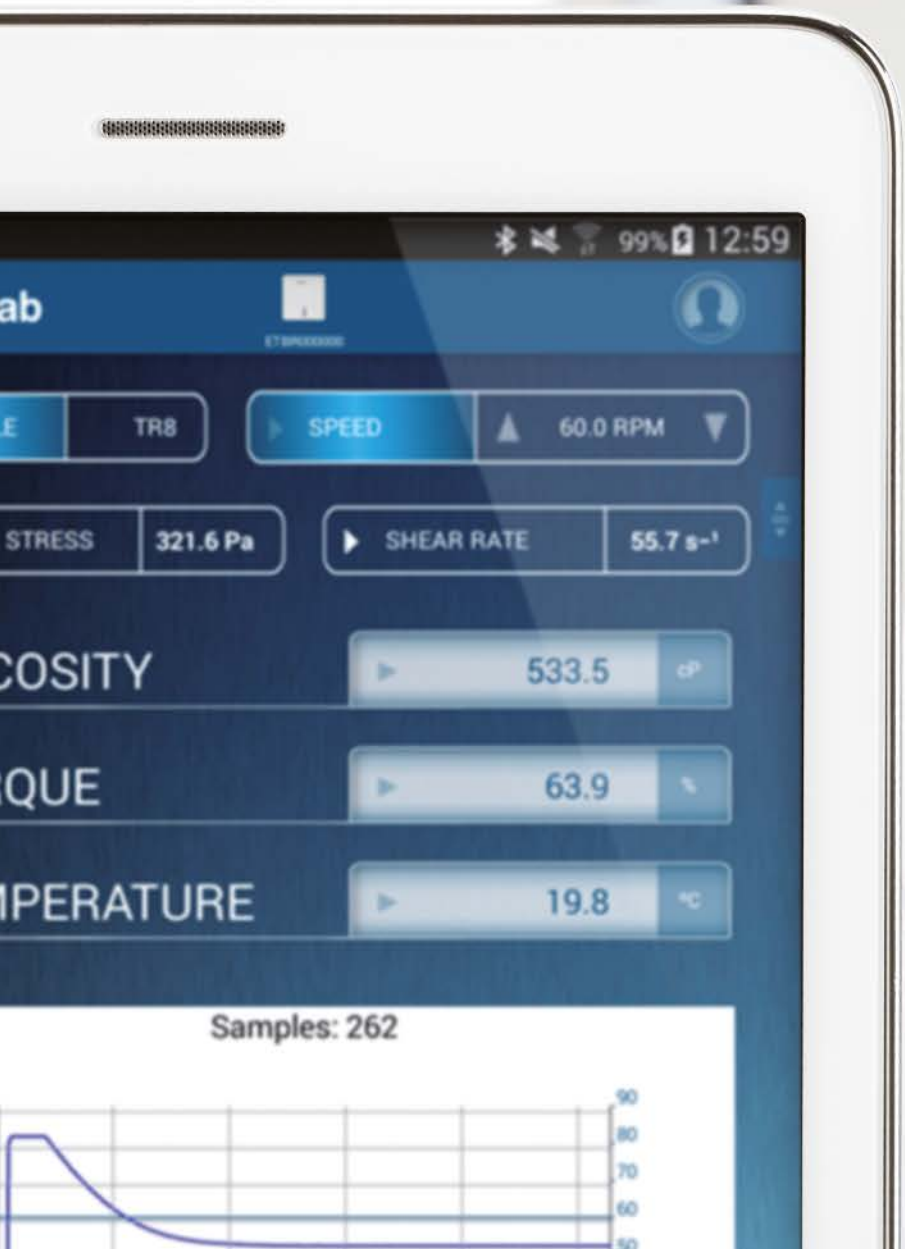
WITH AN INTUITION FOR MODERNITY
AND PROGRESSION, FUNGILAB AIMS TO BE
AT THE FOREFRONT OF PRODUCT DESIGN,
CREATIVITY, AND INVENTION.





ViCompact





V-Compact ⁱ

The V-COMPACT viscometer is controlled using an intuitive mobile application on an 8-inch tablet.



MAIN FEATURES

The V-Compact features different viscometer heads (L, R or H) which can easily be exchanged to cover all viscosity ranges.

Data Displayed:

- > Selected Speed R.P.M., S⁻¹
- > Viscosity Reading cP, P, mPa.s, Pa.s, cSt, St, mm²/s
- > Full Scale Percentage %
- > Sample Temperature °C o °F
- > Shear Rate (SR)* s⁻¹
- > Shear Stress (SS)* N/m², Pa, Dyne/m²
- > Density (Introduced by the user) g/cm³, Kg/m³

* Only with coaxial spindles / L2C + L3C

Viscosity Reading:

- Dynamic Viscosity (cP, mPa*s)
- Kinematic Viscosity (cSt) (Users must enter density value.)



Programs:

- > Create and edit multiple programs
- > Store programs for later use
- > Choose between Time To Torque (TTT), Time To Stop (TTS), Step and Ramp



Data Storage:

- > Store the results of all performed experiments in a comprehensive database
- > Users can analyze and review saved data for future testing purposes
- > Users can access the program configuration for each experiment



Customization:

- > Create a list of customized speeds (0.01 to 250 rpm)
- > Activate/deactivate Quality Control Limits (QCL) and Out of Range alarms
- > Users can change the axis values on the graphic display



Auto-Test: Automatic viscometer calibration with sound and visual malfunction alarm.



Auto-Range: Displays the maximum viscosity range for the selected spindle/rpm combination

Tablet: Access all parameters on an 8-inch tablet. Free mobile application available through the Google Play Store.

Languages: Multiple language selections are available.

QCL: Select the quality control limits for sample analysis.

I.A.M.: Measurement update rate regulated through the selection of the different times in each experiment.

Graphic Mode: Displays experiment data with real time charts.

Export: Export experiment results in PDF and CSV format.

Calibration: User-enabled viscosity and temperature calibration. (This calibration can always be reset to the original factory calibration.)

Offset: Adjust the temperature through an offset.

Heldal: Helicoidal movement incorporated into the V-Compact viscometer for the viscosity measurement of non-flowing substances.

Accessories: The V-Compact is compatible with a small sample adapter (APM) and low viscosity adapter (LCP).

PPR: The V-Compact includes a Push, Plug and Release (PPR) System for quick and efficient spindle changes

TECHNICAL SPECIFICATIONS

- **Repeatability:** 0,2%
- **Accuracy:** +/- 1% full scale
- **Temperature Range:** -40°C to +300°C
- **Temperature Resolution:** 0,1°C
- **Temperature accuracy:** +/-0,3°C
- **Temperature Probe:** PT100, Class A
- Spindles manufactured with AISI 316 stainless steel
- Power Supply: 90-240VAC, 50/60 Hz.

VISCOSITY RANGES:

Code	Model	Measurement Range (cP)	Speed (rpm)
VC101003	V-COMPACT L	1* - 6.000.000	0,01 - 250
VC101002	V-COMPACT R	25** - 40.000.000	0,01 - 250
VC101001	V-COMPACT H	200*** - 320.000.000	0,01 - 250

• Viscosity measurement ranges referenced from 0.1 to 200RPM

* Viscosity range referenced from 0.1 to 200RPM with LCP accessory. Without LCP the lowest viscosity measured is 15cP.

** Using the R-1 spindle at 60 rpm (faster speeds may create turbulences in the sample)

*** Using the R-1 spindle at 60 rpm



Measurement resolution according to the viscosity range

> Viscosities up to	100 cP	0,01 cP
> 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	1000.000 cP	1000,0 cP

Standard delivery: Instruments are delivered with an 8-inch tablet pre-installed with the Fungilap APP. Also includes: standard spindles (4 spindles for L models and 6 spindles for R or H models), viscometer head (L or R or H), motorized base, spindle protector, spindle rack, temperature probe, power supply cable, calibration certificate, operating manual and carrying case.

* **Viscometer head:** Additional viscometer heads can be ordered with corresponding spindles, protector and carrying case; or with the carrying case alone.

VCH101003	V-COMPACT L Viscometer Head+Accessories	VCH1010C3	V-COMPACT L Viscometer head only
VCH101002	V-COMPACT R Viscometer Head+Accessories	VCH1010C2	V-COMPACT R Viscometer head only
VCH101001	V-COMPACT H Viscometer Head+Accessories	VCH1010C1	V-COMPACT H Viscometer head only



ViPad





V-Pad

The V-PAD viscometer is controlled using an intuitive mobile application on an 8-inch tablet.



MAIN FEATURES

Data Displayed:

- > Selected Speed R.P.M., S^{-1}
- > Viscosity Reading cP, P, mPa.s, Pa.s, cSt, St, mm^2/s
- > Full Scale Percentage %
- > Sample Temperature $^{\circ}C$ o $^{\circ}F$
- > Shear Rate (SR)* s^{-1}
- > Shear Stress (SS)* N/m^2 , Pa, Dyne/ m^2
- > Density (Introduced by the user) g/cm^3 , Kg/m^3

* Only with coaxial spindles / L2C + L3C

Viscosity Reading:

- Dynamic Viscosity (cP, mPa*s)
- Kinematic Viscosity (cSt) (Users must enter density value.)



Programs:

- > Create and edit multiple programs
- > Store programs for later use
- > Choose between Time To Torque (TTT), Time To Stop (TTS), Step and Ramp



Data Storage:

- > Store the results of all performed experiments in a comprehensive database
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- > Users can access the program configuration for each experiment



Customization:

- > Create a list of customized speeds (0.01 to 250 rpm)
- > Activate/deactivate Quality Control Limits (QCL) and Out of Range alarms
- > Users can change the axis values on the graphic display



Auto-Test: Automatic viscometer calibration with sound and visual malfunction alarm.












Auto-Range: Displays the maximum viscosity range for the selected spindle/rpm combination



Tablet: Access all parameters on an 8-inch tablet. Free mobile application available through the Google Play Store.



-  **Languages:** Multiple language selections are available.
-  **QCL:** Select the quality control limits for sample analysis.
-  **I.A.M.:** Measurement update rate regulated through the selection of the different times in each experiment.
-  **Graphic Mode:** Displays experiment data with real time charts.
-  **Export:** Export experiment results in PDF and CSV format.
-  **Calibration:** User-enabled viscosity and temperature calibration. (This calibration can always be reset to the original factory calibration.)
-  **Offset:** Adjust the temperature through an offset.
-  **Accessories:** The V-Pad is compatible with all the available accessories (APM, APM/B, LCP, LCP/B, HELDAL)
-  **PPR:** The PPR (Push, Plug and Release) fast spindle switch system is available as an option.

TECHNICAL SPECIFICATIONS

- **Repeatability:** 0,2%
- **Accuracy:** +/- 1% full scale
- **Temperature Range:** -40°C to +300°C
- **Temperature Resolution:** 0,1°C
- **Temperature accuracy:** +/- 0,3°C
- **Temperature Probe:** PT100, Class A
- Spindles manufactured with AISI 316 stainless steel
- Power Supply: 90-240VAC, 50/60 Hz.

VISCOSITY RANGES:

Code	Model	With PPR	Measurement Range (cP)	Speed (r.p.m.)
VP100003	VPAD L	VP101003	1* - 6.000.000	0,01 - 250
VP100002	VPAD R	VP101002	25** - 40.000.000	0,01 - 250
VP100001	VPAD H	VP101001	200*** - 320.000.000	0,01 - 250

- Viscosity measurement ranges referenced from 0.1 to 200RPM

* Viscosity range referenced from 0.1 to 200RPM with LCP accessory. Without LCP the lowest viscosity measured is 15cP.

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Measurement resolution according to the viscosity range

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> 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	1000.000 cP	1000,0 cP

Standard delivery:

> Instruments are delivered complete with the standard spindles (4 spindles for L models and 6 spindles for R or H models), viscometer head (L or R or H), base, spindle protector, spindle rack, temperature probe, power supply, calibration certificate and carrying case.

V_iSeries[®]

Welcome to the future of research
—we hope you're ready.

Fungilab
LEADING VISCOSITY TECHNOLOGY

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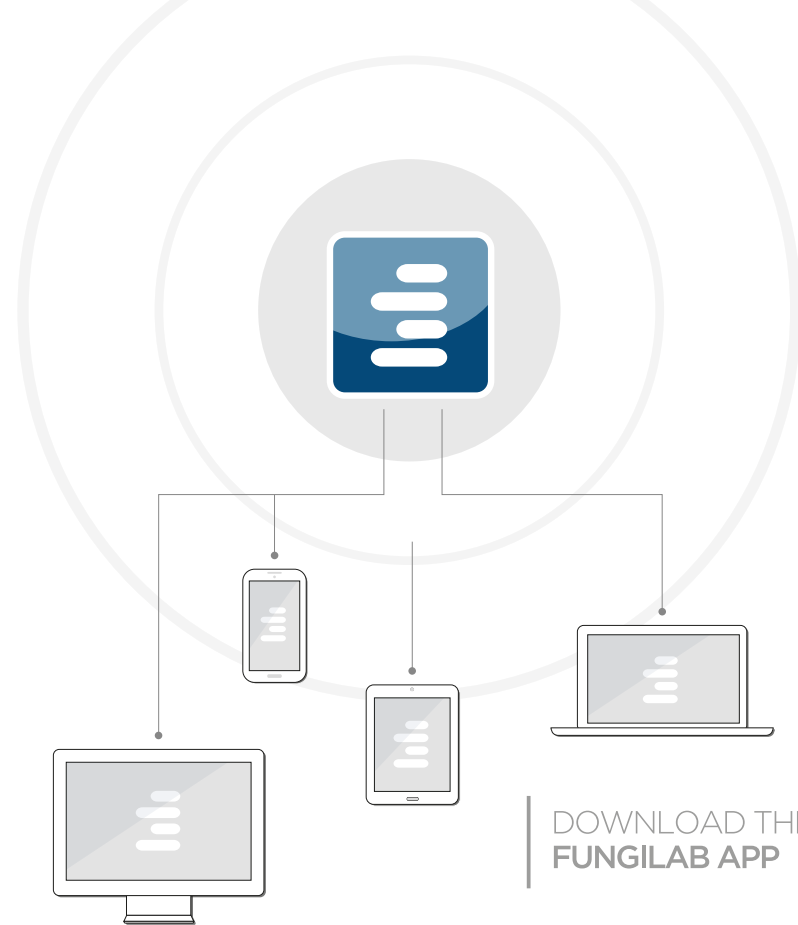
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