

Viscometer



Viscometer

Model: **ALPHA**

Order NO.: VL1001601

Description

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

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 (°C or °F)

Shear rate (with coaxial spindles) (s⁻¹)

Shear Stress (with coaxial spindles) (N/m²)

Density (introduced by the user) (g/cm³)

Viscosity Readings

Absolute viscosity (cP or mPa·s)

Apparent viscosity (cP or mPa·s)

Kinematic viscosity (cSt, mm²/sec)

(Density introduced by the user)

Graphic Display

Provides huge range of graphical options

Temperature Reading By PT100

Temperature sensor PT100 is option

USB Interface

Faster transfer data to the USB stick

9 working memories

Set up the unit and get it ready to be used every day choosing the memory you need

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..... °C or °F

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.

9 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.

> 7 language options.

> USB-A (PT100, USB Stick, PC)

Technical specifications

> Precision: $\pm 1\%$ of full scale

> Resolution:

With low viscosity adapter: 0.01 3/5

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 + 300.0° C (- 40.0 °F to + 572.0 °F)

> Resolution: 0.1°C / 0.1722 °F

> Precision: +/- 0.1 °C

> Type of probe: PT100

> Supplied at 100-240 VAC, 50/60 Hz **Viscometer - Viscometer - WIGGENS The Magic Motion**

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

Order Information

Model	ALPHA L	ALPHA R	ALPHA H
Order No.	VL1001601	VL1001602	VL1001603
Measuring range	20 to 2,000,000 cP	100 to 13,000,000 cP	200 to 106,000,000 cP
Standard spindles	L1,L2,L3,L4	R2,R3,R4,R5,R6,R7	R2,R3,R4,R5,R6,R7
Speed (r.p.m)	0.3 to 100	0.3 to 100	0.3 to 100
Number of speeds	18	18	18
Power supply	100~240V 50/60Hz, 25W	100~240V 50/60Hz, 25W	100~240V 50/60Hz, 25W
Weight	5kg	5kg	5kg