

Alpha Series Viscometer

Main Features

- Data displayed
- Selected speed (r.p.m)
- Selected spindle (SP)
- Viscosity reading (cP) [mPa*s]
- Percentage of full scale (%)
- Relative and absolute viscosity.
- Unit converter SI to CGS.
- AUTO-TEST with sound and visual malfunction alarm
- AUTO-RANGE function
- User-enabled calibration.
- 10 language options.

Standard delivery: The equipment is supplied complete with standard spindles (4 spindles for L model, and 6 spindle for R and H models), viscometer stand and spindle protector.

Spindles

AISI 316 stainless steel spindles, easily identified by number and letter when changed according to range of viscosity.

Code	Model	Measuring Range (cP)	Speeds (RPM)	Number of speeds
V100003	Alpha Series L	20 - 2,000,000	0.3 - 100	18
V100002	Alpha Series R	100 - 13,000,000	0.3 - 100	18
V100001	Alpha Series H	200 - 106,000,000	0.3 - 100	18

Alpha Series



Smart Series Viscometer

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 - optional)
 - Shear Rate, with co-axial spindles (SR)(s-1)
 - Shear Stress, with co-axial 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.
 - 10 working memories.
- AUTO-TEST with sound and visual malfunction alarm
- AUTO-RANGE function
- Temperature reading by PT100 (optional) calibration
- 10 language options.
- Interface: USB
- Datalogger Software: USB allows data transfer to a PC Excel format.

Standard Delivery: The equipment is supplied complete with standard spindles (4 spindles for L model, and 6 spindles for R and H models), viscometer stand and spindle protector, carrying case, USB cable and Datalogger software.

Smart Series



Viscometer
Technical File

- Precision: $\pm 1\%$ 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: 0°C to $+100^{\circ}\text{C}$ / 32°F to 212°F
- Resolution: 0.1°C / 0.17°F
- Precision: $\pm 0.1^{\circ}\text{C}$
- Type of probe: PT100
- Supplied at 100-240 VAC, 50/60Hz

Spindles

AISI 316 stainless steel spindles, easily identified by number and letter when changed according to range of viscosity.

Code	Model	Measuring Range (cP)	Speeds (RPM)	Number of speeds
V200003	Smart L	20 - 2,000,000	0.3 - 100	18
V200002	Smart R	100 - 13,000,000	0.3 - 100	18
V200001	Smart H	200 - 106,000,000	0.3 - 100	18

Expert Series Viscometer
Main Features

- Touch key board 12 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 ($^{\circ}\text{C}$ or $^{\circ}\text{F}$ - optional)
 - Shear Rate, with co-axial spindles (SR)(s⁻¹)
 - Shear Stress, with co-axial 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 of torque: target torque pre-setting device.
 - Time to stop: target time pre-setting device.
 - 10 working memories.
 - Customizable Options
 - Programmable
 - Multistep
 - Ramp
- AUTO-TEST with sound and visual malfunction alarm
- AUTO-RANGE function
- Temperature reading by PT100 calibration
- User-enabled viscosity and temperature calibration.
- 10 language options.
- Interface: USB
- Datalogger Software: USB allows data transfer to a PC Excel format.

Expert Series



Standard Delivery: The equipment is supplied complete with standard spindles (4 spindles for L model, and 6 spindles for R and H models), viscometer stand and spindle protector, carrying case, USB cable and Datalogger software.

Viscometer
Technical File

- Precision: $\pm 1\%$ 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: 0°C to $+100^{\circ}\text{C}$ / 32°F to 212°
 - Resolution: 0.1°C / 0.17°F
 - Precision: $\pm 0.1^{\circ}\text{C}$
 - Type of probe: PT100
- Supplied at 100-240 VAC, 50/60Hz

Spindles

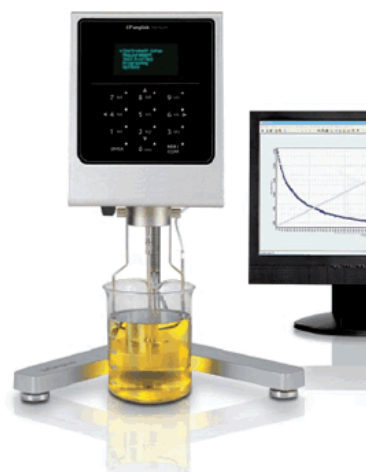
AISI 316 stainless steel spindles, easily identified by number and letter when changed according to range of viscosity.

Code	Model	Measuring Range (cP)	Speeds (RPM)	Number of speeds
V300003	Expert L	20 - 6,000,000	0.01 - 200	54
V300002	Expert R	100 - 40,000,000	0.01 - 200	54
V300001	Expert H	200 - 106,000,000	0.01 - 200	54

Premium Series Viscometer
Main Features

- Touch key board 12 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 ($^{\circ}\text{C}$ or $^{\circ}\text{F}$ - optional)
 - Shear Rate, with co-axial spindles (SR)(s-1)
 - Shear Stress, with co-axial spindles (SS)(N/m²)
 - Density (introduced by the user) (g/cm³)
 - Step Program Status
 - Analyze & visual characteristics (flow curves)
- 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.
 - 10 working memories.
 - Customizable Options
 - Programmable
 - Multistep
 - Ramp
- AUTO-TEST with sound and visual malfunction alarm
- AUTO-RANGE function
- Temperature reading by PT100.
- User-enabled viscosity and temperature calibration.
- 10 language options.

Premium Series



Standard Delivery: The equipment is supplied complete with standard spindles (4 spindles for L model, and 6 spindles for R and H models), viscometer stand and spindle protector, carrying case, USB cable and Datalogger software.

Viscometer
Technical File:

- Precision: $\pm 1\%$ 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: 0°C to +100°C / 32°F to 212°
 - Resolution: 0.1°C / 0.17°F
 - Precision: $\pm 0.1^\circ\text{C}$
 - Type of probe: PT100
- Supplied at 100-240 VAC, 50/60Hz

Spindles:

AISI 316 stainless steel spindles, easily identified by number and letter when changed according to range of viscosity.

Code	Model	Measuring Range (cP)	Speeds (RPM)	Number of speeds
V400003	Premium L	20 - 6,000,000	0.01 - 250	2600
V400002	Premium R	100 - 40,000,000	0.01 - 250	2600
V400001	Premium H	200 - 106,000,000	0.01 - 250	2600

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