

Expert Series

Expert series

Add essential performances to determine viscosity and other rheological features of homogeneous samples.



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	°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: 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.
- > 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.

Technical File

- > 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:
0°C to +100°C
32°F to 212.0 °F

Resolution: 0.1°C / 0.1722 °F
Precision: +/- 0.1 °C
Type of probe: PT100
> Supplied at 100-240 VAC, 50/60 Hz

Spindles

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

Code	Model	Measuring Range (cP)	Speed (r.p.m.)	Number of speeds
37010033	EXPERT L	20 - 6.000.000	0.01 - 200	54
37010034	EXPERT R	100 - 40.000.000	0.01 - 200	54
37010035	EXPERT H	200 - 106.000.000	0.01 - 200	54