

Viscol 20ASx

Automatic Kinematic Viscometer

Viscol 20ASx is fully automatic dual bath kinematic viscometer with dual 23 positions autosampler conforming to ASTM, ISO, IP & all related standards. Designed for kinematic viscosity measurements of all newtonian fluids.

Viscol 20ASx is equipped with high precision temperature control, time detection, automatic sample injection, measurement, reporting, cleaning and drying features including special nozzle wash & dry (SPW) feature to avoid any cross contamination between samples to overcome any potential errors and ensure consistent and precise results in each measurement.

Viscol 20ASx is stand-alone unit, ready to use, with built-in 12" touch screen Windows based PC for easy operation and measurement, including user-friendly operation and data management software.

Specifications

Methodology	Conforms to ASTM D445, D446, D2270, D341, ISO 3104, ISO 3105, IP 71
Viscometer type	Ubbelohde
Viscometer range	170 - 225 Fold
Autosampling	Dual 23 positions autosampler units
Temperature range	Ambient +5°C to 130°C * Other temperatures (optional)
Temperature sensitivity	0.001°C
Temperature stability	+/- 0.01°C or better
Time detection precision	0.001 s (1 ms)
Measurement range	0.15 cSt - 30000 cSt
Sample volume	10-15 mL
Cleaning	Single & dual solvent wash & drying after each test, including sample nozzle.
Display	12" Touch Panel Screen
Data transfer	USB, Ethernet (RJ45) & RS232
Cooling	Built-in cooling coil
Security	Low Bath Oil & Over Temperature Safety Interlocks
Weight & Dimensions	75 Kg / 60 x 57 x 99 cm (WxDxH)
Power requirement	220 VAC - 50 Hz

Key Benefits

Dual Bath Design:

Dual bath with 23 positions autosampler.

High Precised Temperature Control:

0.001°C temperature control sensitivity within wide range programmable temperature.

Automatic Operation:

Fully automated sample injection, measurement, cleaning, drying and calibration process.

Wide Measurement Range: Suitable for a wide range of samples and applications. Wide range capillary folds.

Precise Measurement: Achieve highest accuracy with unattended analysis and calibration.

Unique Cleaning: Multi-stage programmable user selectable single & dual-solvent cleaning and drying programs including nozzle wash & drying after each test.

User-Friendly Interface: Windows based 12" touch screen panel PC with user friendly software for easy operation & data management.

Data Integration: Easily export & integrate data with lab management systems & ViscoSoft software.

Multi Measurements in One Run: Unique software for high precise measurement, verification, research and development applications (optional).

Safety: Built-in temperature and bath liquid level safety features alarms to ensure secure operation.

Time-Saving: Fast run viscometer capillaries (optional). **Economic:** Low solvent consumption.

Chemical Compatibility: All wet parts are made of PEEK, Teflon, Glass, Stainless Steel and Kalrez, with highly resistive components to corrosive solvents.

