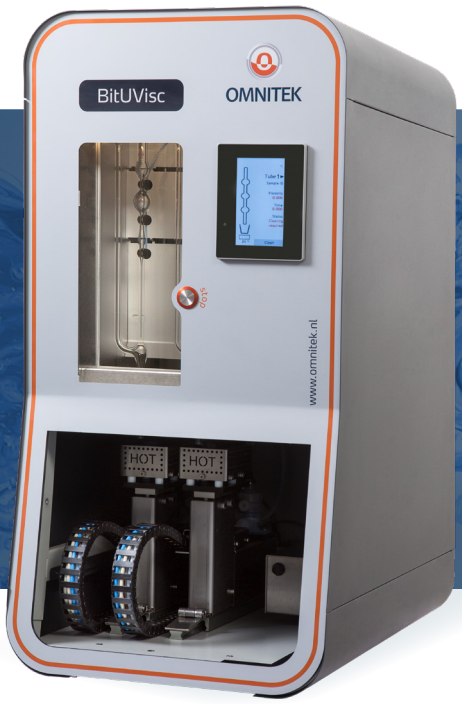
ASTM D445, ASTM D446
ASTM D2170, AASHTO T201

OMNITEK

BitUVisc viscometer

FULLY AUTOMATIC VISCOMETER FOR HIGHLY VISCOUS SAMPLES UP TO 120,000 mm^2/s



"Finally an instrument that eliminates the need for the tedious, labour intensive manual loading, measurement and cleaning of high viscosity samples".

FULLY AUTOMATIC

HIGHLY ACCURATE

HANDLES EXTREME SAMPLES

EASY TO USE

DUPLO VISCOMETER TUBES

FEATURES

- For high temperature, high viscosity applications
- Fully automatic measurement and cleaning
- Stand alone or PC control
- Preheated dual solvent cleaning

Omnitek introduces the newest member to the U-Visc family of fully automatic viscometer systems. Specifically developed to cover sample types which pose great challenges to automatic sampling, measurement and cleaning, because of their high pour point and viscosity.

Flexible and reliable

The instrument was designed to be versatile and flexible, yet easy to use to cover the hardest applications. Different models are available with 1 or 2 viscometer tubes, allowing for the analysis of a wide range of viscosities and sample types.

Viscometer tubes are based on the well-known and proven Ubbelohde design. Using specially designed thermal sensors, these tubes allow the detection of fully opaque fluids without any problems or limitations and eliminate the need to use the reverse flow tubes. The standard configuration offers viscosity measurement up to 150°C and sample preheating up to 200°C.

Sophisticated temperature control ensures that measurements are carried out well within the required temperature stability. The system features an innovative single position auto-sampling which provides integrated heating of the sample up to 200°C and uses preheated solvent to effectively clean the viscometer tube. The BitUVisc uses the special designed duplo viscometer tubes for unstable samples such as vacuum residues, additives, crude oils, waxes, heavy fuel oils, polymers, asphalts, etc., which typically show poor determinability when sampled repeatedly. These tubes have 2 measuring sections with an approximately similar tube constant. This allows for an actual duplo determination while only sampling once.

The instrument requires a PC for full operation, which is controlled through an advanced PC software application but it can also be controlled as a stand-alone unit through the responsive color touchscreen interface. PC software allows the operator to specify optimized and fully customizable test methods for each individual sample with the click of a mouse.

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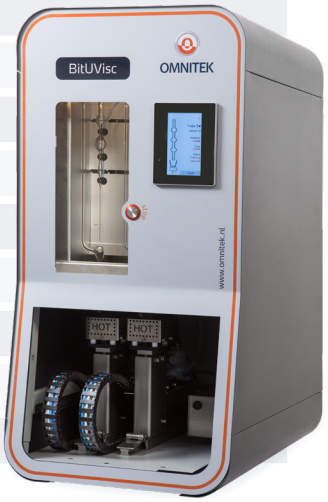
FULLY AUTOMATIC VISCOMETRY SYSTEMS FOR HIGHLY VISCOUS SAMPLES

SPECIFICATIONS

Measuring range	Up to 120,000 mm^2/s, up to 150°C
Temperature range	15 - 150°C *
Temperature stability	15°C to 100°C ± 0.01°C *, Up to 150°C, ± 0.03°C
Sample volume	12 ml
Number of solvents	2
Viscometer type	Ubbelohde based
Sensor type	Thermal
PC Control	Multiple instruments controlled with 1 PC
Data export	USB



* For temperatures around ambient, an external cooling circulator is required

AVAILABLE MODELS

	BitUVisc 110	BitUVisc 120
Nr. of baths	1	1
Tubes	1	2
Dimensions	38 x 62 x 78 cm	
Weight	54 kg	

THE BitUVisc IS SUPPLIED WITH

- 20-fold viscometer tubes
- High temperature bath oil
- Reference standards
- Advanced PC software
- All parts required for standard operation

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