

ZEITFUCHS® VISCOSIMETER



For measurement of kinematic viscosity of transparent and opaque Newtonian liquids. The Viscosimeter is also used to measure kinematic viscosity of cutback asphalts and road oils at 140° F (60° C) and asphalt cements at 275° F (135° C) in the range of 30 to 6000 centistokes. Can be filled and cleaned while in constant temperature bath. Minimum sample volume 1 to 3 ml. Required liquid bath depth of 230 mm (9"). All measurements are calibrated (precision ±0.3%). Supplied with permanently attached round metal holder, for hole 51 mm (2") in diameter. Certificate of calibration and instruction sheet provided.

MODELS	DESCRIPTION	CONSTANT, CST/S	VISCOSITY, CST
B6601	ZEITFUCHS VISCOSIMETER	0.003	0.6 TO 3
B6602		0.01	2 TO 10
B6603		0.03	6 TO 10
B6604		0.1	20 TO 100
B6605		0.3	60 TO 300
B6606		1.0	200 TO 1,000
B6607		3.0	600 TO 3,000
B6608		10	2,000 TO 10,000
B6609		30	6,000 TO 30,000
B6610		100	20,000 TO 100,000

*NOTE: ALL MODELS MEET ASTM D-445, D-446, D-2170/ AASHTO T-201

CANNON-MANNING®, VACUUM VISCOSIMETER

For measurement of viscosity of highly viscous materials such as asphalt cement at 140° F (60° C). Applicable to materials with viscosity range of 42 to 200,000 poises. Vacuum of 300 mm Hg is applied to small arm with timing bulbs; two bulbs are incorporated to extend viscosity range of viscometer. Minimum sample volume 6 ml. Requires a liquid bath depth of 180 mm (7"). Calibrated with precision of ±0.5%. Provided with certificate of calibration and instruction sheet. Also furnished with a neoprene holder. Please specify the viscosity range required.



MODELS	DESCRIPTION	STANDARDS
B6621	VISCOSIMETER, CANNON-MANNING VACUUM	ASTM D-2171

VISCOSITY RANGE	SIZE	CONSTANT AT 300 MM BULB B	POISE / SEC HG VACUUM BULB C
0.036 TO 0.8	4	0.002	0.0006
0.12 TO 2.4	5	0.006	0.002
0.36 TO 8	6	0.02	0.006
1.2 TO 24	7	0.06	0.02
3.6 TO 80	8	0.2	0.06
12 TO 240	9	0.6	0.2
36 TO 800	10	2	0.6
120 TO 2,400	11	6	2
360 TO 8,000	12	20	6
1,200 TO 24,000	13	60	20
3,600 TO 80,000	14	200	60

MODIFIED KOPPERS®, VACUUM VISCOSIMETER



For measurement of viscosity of asphalts at 140° F (60° C). Applicable materials with viscosity range of 42 to 200,000 poise. Two-piece design, with sample reservoir and calibrated capillary. Vacuum of 300 mm Hg must be applied to top of capillary tube. Minimum sample volume 2 ml. Required liquid bath depth of 178 mm (7"). Calibrated with precision of ±1.0%. Provided with certificate of calibration and instruction sheet. Neoprene rubber holder is included.

MODELS	DESCRIPTION	STANDARDS
B6635	MODIFIED KOPPERS, VACUUM VISCOSIMETER	ASTM D-2171

VISCOSITY RANGE	SIZE	CONSTANT AT 300 BULB B	POISE / MM HG BULB C	SEC VACUUM BULB D
42 TO 800	25	2	1	0.7
180 TO 3,200	50	8	4	3
600 TO 12,800	100	32	16	10
2,400 TO 52,000	200	128	64	40
9,600 TO 200,000	400	500	250	160

ASPHALT INSTITUTE VISCOSIMETER



For measurement of viscosity of highly viscous materials such as asphalt cement at 140° F (60° C). Applicable to materials with viscosity range of 42 to 200,000 poises. Has a graduated capillary instead of two timing bulbs. Minimum sample volume 3 ml. Requires a liquid bath depth of 180 mm (7.1"). Calibrated with precision of ±1.0%. Provided with certificate of calibration and instruction sheet. Also furnished with a holder. Please specify the viscosity range required.

MODELS	VISCOSITY RANGE	CONSTANT AT 300 BULB B	POISE / MM HG BULB C	SEC VACUUM BULB D
B6641	42 TO 800	2	1	0.7
B6642	180 TO 3,200	8	4	3
B6643	600 TO 12,800	32	16	10
B6644	2,400 TO 52,000	128	64	40
B6645	9,600 TO 1,400,000	500	250	160
B6646	38,000 TO 5,800,000	2000	1000	640

*NOTE: MEETS ASTM D-2171 / AASHTO T-202

HIGH RANGE VISCOTESTER

For fast accurate determination of viscosity in fluids the B6612 battery operated High Range Viscotester is an ideal choice. Designed for handheld or tripod mounted this unit features a direct reading on a large display - three scales correlate to the rotor in use. This tester covers 300 to 400,000cP (mPa-s); 0.3 to 4000 dPa-s. Accuracy is ±10% of reading. Complete with three interchangeable rotors, one rotor extension rod which extends the rotor arm to 3 ft. for use in deep vessels or high temperature fluids.



MODELS	DESCRIPTION
B6612	HIGH RANGE VISCOTESTER

ACCESSORIES	DESCRIPTION
B6613	LAB STAND W/ BASE CLAMP
B6614	AC ADAPTER
B6612A	VISCOTESTER ROTOR #1
B6612B	VISCOTESTER ROTOR #2
B6612C	VISCOTESTER ROTOR #3