



# Calibrated Glass Capillary Kinematic Viscometers



### U-Tube Viscometers type BS/U, for transparent liquids, with certificate, length 300 mm, sample volume 13~40 ml

Article	Size	Constant	Range
1619/00	O	0.001	0.3 - 1 mm <sup>2</sup> /s
1619/01	A	0.003	0.9 - 3 mm <sup>2</sup> /s
1619/02	B	0.01	2 - 10 mm <sup>2</sup> /s
1619/03	C	0.03	6 - 30 mm <sup>2</sup> /s
1619/04	D	0.1	20 - 100 mm <sup>2</sup> /s
1619/05	E	0.3	60 - 300 mm <sup>2</sup> /s
1619/06	F	1.0	200 - 1000 mm <sup>2</sup> /s
1619/07	G	3.0	600 - 3000 mm <sup>2</sup> /s
1619/08	H	10	2000 - 10'000 mm <sup>2</sup> /s

### Miniature U-Tube Viscometers, for transparent liquids, with certificate, length 250 mm, sample volume 4 ml

Article	Size	Constant	Range
1622/01	M1	0.001	0.2 - 1 mm <sup>2</sup> /s
1622/02	M2	0.005	1 - 5 mm <sup>2</sup> /s
1622/03	M3	0.015	3 - 15 mm <sup>2</sup> /s
1622/04	M4	0.04	8 - 40 mm <sup>2</sup> /s
1622/05	M5	0.1	20 - 100 mm <sup>2</sup> /s

### Suspended-Level Viscometers BS/IP/SL, for transparent liquids, with certificate, length 330 mm, sample volume 22~40 ml

Article	Size	Constant	Range
1625/01	1	0.01	3.5 - 10 mm <sup>2</sup> /s
1625/02	1A	0.03	6 - 30 mm <sup>2</sup> /s
1625/03	2	0.1	20 - 100 mm <sup>2</sup> /s
1625/04	2A	0.3	60 - 300 mm <sup>2</sup> /s
1625/05	3	1.0	200 - 1000 mm <sup>2</sup> /s
1625/06	3A	3.0	600 - 3000 mm <sup>2</sup> /s
1625/07	4	10	2000 - 10'000 mm <sup>2</sup> /s
1625/08	4A	30	6000 - 20'000 mm <sup>2</sup> /s
1625/09	5	100	20'000 - 100'000 mm <sup>2</sup> /s

### Suspended-Level Shortened Form Viscometers, for transparent liquids, with certificate, length 250 mm, sample volume 10 ml

Article	Size	Constant	Range
1628/01	1	0.0008	1.05 min mm <sup>2</sup> /s
1628/02	2	0.003	2.1 - 3 mm <sup>2</sup> /s
1628/03	3	0.01	3.8 - 10 mm <sup>2</sup> /s
1628/04	4	0.03	6 - 30 mm <sup>2</sup> /s
1628/05	5	0.1	20 - 100 mm <sup>2</sup> /s
1628/06	6	0.3	60 - 300 mm <sup>2</sup> /s
1628/07	7	1.0	200 - 1000 mm <sup>2</sup> /s
1628/08	8	3.0	600 - 3000 mm <sup>2</sup> /s
1628/09	9	10	2000 - 10'000 mm <sup>2</sup> /s

### Shell Pattern Shortened Form Viscometers, suspended level, with certificate

Article	Size	Constant	Range
1629/01	1	0.0008	1.05 min mm <sup>2</sup> /s
1629/02	2	0.003	2.1 - 3 mm <sup>2</sup> /s
1629/03	3	0.01	3.8 - 10 mm <sup>2</sup> /s
1629/04	4	0.03	6 - 30 mm <sup>2</sup> /s
1629/05	5	0.1	20 - 100 mm <sup>2</sup> /s
1629/06	6	0.3	60 - 300 mm <sup>2</sup> /s
1629/07	7	1.0	200 - 1'000 mm <sup>2</sup> /s
1629/08	8	3.0	600 - 3'000 mm <sup>2</sup> /s
1629/09	9	10	2'000 - 10'000 mm <sup>2</sup> /s

### Miniature Suspended-Level Viscometers, for transparent liquids, with certificate, length 330 mm, sample volume 4 ml

Article	Size	Constant	Range
1631/01	1	0.003	0.6 - 3 mm <sup>2</sup> /s
1631/02	2	0.01	2 - 10 mm <sup>2</sup> /s
1631/03	3	0.03	6 - 30 mm <sup>2</sup> /s
1631/04	4	0.1	20 - 100 mm <sup>2</sup> /s
1631/05	5	0.3	60 - 300 mm <sup>2</sup> /s
1631/06	6	1.0	200 - 1'000 mm <sup>2</sup> /s
1631/07	7	3.0	600 - 3'000 mm <sup>2</sup> /s

### Cannon-Fenske Routine, for transparent liquids, with certificate, length 250 mm, sample volume 7 ml

Article	Size	Constant	Range
1634/01	25	0.002	0.5 - 2 mm <sup>2</sup> /s
1634/02	50	0.004	0.8 - 4 mm <sup>2</sup> /s
1634/03	75	0.008	1.6 - 8 mm <sup>2</sup> /s
1634/04	100	0.015	3 - 15 mm <sup>2</sup> /s
1634/05	150	0.035	7 - 35 mm <sup>2</sup> /s
1634/06	200	0.1	20 - 100 mm <sup>2</sup> /s
1634/07	300	0.25	50 - 250 mm <sup>2</sup> /s
1634/08	350	0.5	100 - 500 mm <sup>2</sup> /s
1634/09	400	1.2	240 - 1'200 mm <sup>2</sup> /s
1634/10	450	2.5	500 - 2500 mm <sup>2</sup> /s
1634/11	500	8	1600 - 8'000 mm <sup>2</sup> /s
1634/12	600	20	4'000 - 20'000 mm <sup>2</sup> /s
1634/13	650	20	10'000 - 50'000 mm <sup>2</sup> /s
1634/13	700	100	20'000 - 10'0000 mm <sup>2</sup> /s

### U-Tube Reverse Flow Viscometer BS/IP/RF, for opaque liquids, with certificate, length 275 mm, sample volume 12~25 ml

Article	Size	Constant	Range
1637/01	1	0.003	0.6 - 3 mm <sup>2</sup> /s
1637/02	2	0.01	2 - 10 mm <sup>2</sup> /s
1637/03	3	0.03	6 - 30 mm <sup>2</sup> /s
1637/04	4	0.1	20 - 100 mm <sup>2</sup> /s
1637/05	5	0.3	60 - 300 mm <sup>2</sup> /s
1637/06	6	1.0	200 - 1'000 mm <sup>2</sup> /s
1637/07	7	3.0	600 - 3'000 mm <sup>2</sup> /s
1637/08	8	10	2'000 - 10'000 mm <sup>2</sup> /s
1637/09	9	30	6'000 - 30'000 mm <sup>2</sup> /s
1637/10	10	100	20'000 - 100'000 mm <sup>2</sup> /s
1637/11	11	300	60'000 - 300'000 mm <sup>2</sup> /s



## Calibrated Glass Capillary Kinematic Viscometers

### Cannon-Fenske Opaque, for opaque liquids, with certificate, length 295 mm, sample volume 12 ml

Article	Size	Constant	Range
1641/01	25	0.002	0.5 - 2 mm <sup>2</sup> /s
1641/02	50	0.004	0.8 - 4 mm <sup>2</sup> /s
1641/03	75	0.008	1.6 - 8 mm <sup>2</sup> /s
1641/04	100	0.015	3 - 15 mm <sup>2</sup> /s
1641/05	150	0.035	7 - 35 mm <sup>2</sup> /s
1641/06	200	0.1	20 - 100 mm <sup>2</sup> /s
1641/07	300	0.25	50 - 250 mm <sup>2</sup> /s
1641/08	350	0.5	100 - 500 mm <sup>2</sup> /s
1641/09	400	1.2	240 - 1'200 mm <sup>2</sup> /s
1641/10	450	2.5	500 - 2500 mm <sup>2</sup> /s
1641/11	500	8	1600 - 8'000 mm <sup>2</sup> /s
1641/12	600	20	4'000 - 20'000 mm <sup>2</sup> /s
1641/13	650	50	10'000 - 50'000 mm <sup>2</sup> /s
1641/14	700	100	20'000 - 100'000 mm <sup>2</sup> /s

### ASTM Ubbelohde, for transparent liquids, with certificate, length 283 mm, sample volume 18 ml

Article	Size	Constant	Range
1643/01	0	0.001	0.3 - 1 mm <sup>2</sup> /s
1643/02	0C	0.003	0.6 - 3 mm <sup>2</sup> /s
1643/03	0B	0.005	1 - 5 mm <sup>2</sup> /s
1643/04	1	0.01	2 - 10 mm <sup>2</sup> /s
1643/05	1C	0.03	6 - 30 mm <sup>2</sup> /s
1643/06	1B	0.05	10 - 50 mm <sup>2</sup> /s
1643/07	2	0.1	20 - 100 mm <sup>2</sup> /s
1643/08	2C	0.3	60 - 300 mm <sup>2</sup> /s
1643/09	2B	0.5	100 - 500 mm <sup>2</sup> /s
1643/10	3	1.0	200 - 1'000 mm <sup>2</sup> /s
1643/11	3C	3.0	600 - 3'000 mm <sup>2</sup> /s
1643/12	3B	5.0	1'000 - 5'000 mm <sup>2</sup> /s
1643/13	4	10	2'000 - 10'000 mm <sup>2</sup> /s
1643/14	4C	30	6'000 - 30'000 mm <sup>2</sup> /s
1643/15	4B	50	10'000 - 50'000 mm <sup>2</sup> /s
1643/16	5	100	20'000 - 100'000 mm <sup>2</sup> /s

### Cannon-Ubbelohde Viscometers, for transparent liquids, with certificate, length 335 mm, sample volume 11 ml

Article	Size	Constant	Range
1647/01	25	0.002	0.5 - 2 mm <sup>2</sup> /s
1647/02	50	0.004	0.8 - 4 mm <sup>2</sup> /s
1647/03	75	0.008	1.6 - 8 mm <sup>2</sup> /s
1647/04	100	0.015	3 - 15 mm <sup>2</sup> /s
1647/05	150	0.035	7 - 35 mm <sup>2</sup> /s
1647/06	200	0.1	20 - 100 mm <sup>2</sup> /s
1647/07	300	0.25	50 - 250 mm <sup>2</sup> /s
1647/08	350	0.5	100 - 500 mm <sup>2</sup> /s
1647/09	400	1.2	240 - 1'200 mm <sup>2</sup> /s
1647/10	450	2.5	500 - 2500 mm <sup>2</sup> /s
1647/11	500	8.0	1600 - 8'000 mm <sup>2</sup> /s
1647/12	600	20	4'000 - 20'000 mm <sup>2</sup> /s
1647/13	650	45	9'000 - 45'000 mm <sup>2</sup> /s
1647/14	700	100	20'000 - 100'000 mm <sup>2</sup> /s

### Ubbelohde Dilution Viscometers ASTM/IP, with certificate, length 385 mm, sample volume 8~40 ml

Article	Size	Constant	Range
1651/01	25	0.002	0.5 - 2 mm <sup>2</sup> /s
1651/02	50	0.004	0.8 - 4 mm <sup>2</sup> /s
1651/03	75	0.008	1.6 - 8 mm <sup>2</sup> /s
1651/04	100	0.015	3 - 15 mm <sup>2</sup> /s
1651/05	150	0.035	7 - 35 mm <sup>2</sup> /s
1651/06	200	0.1	20 - 100 mm <sup>2</sup> /s
1651/07	300	0.25	50 - 250 mm <sup>2</sup> /s
1651/08	350	0.5	100 - 500 mm <sup>2</sup> /s

1651/09	400	1.2	240 - 1'200 mm <sup>2</sup> /s
1651/10	450	2.5	500 - 2500 mm <sup>2</sup> /s
1651/11	500	8.0	1600 - 8'000 mm <sup>2</sup> /s
1651/12	600	20	4'000 - 20'000 mm <sup>2</sup> /s
1651/13	650	45	9'000 - 45'000 mm <sup>2</sup> /s
1651/14	700	100	20'000 - 100'000 mm <sup>2</sup> /s

### Cannon-Ubbelohde Semi-Micro Viscometers ASTM/IP, with certificate, length 335 mm, sample volume 1~20 ml

Article	Size	Constant	Range
1655/01	25	0.002	0.4 - 1.0 mm <sup>2</sup> /s
1655/02	50	0.004	0.8 - 4.0 mm <sup>2</sup> /s
1655/03	75	0.008	1.6 - 8.0 mm <sup>2</sup> /s
1655/04	100	0.015	3 - 15 mm <sup>2</sup> /s
1655/05	150	0.035	7 - 35 mm <sup>2</sup> /s
1655/06	200	0.1	20 - 100 mm <sup>2</sup> /s
1655/07	300	0.25	50 - 250 mm <sup>2</sup> /s
1655/08	350	0.5	100 - 500 mm <sup>2</sup> /s
1655/09	400	1.2	240 - 1'200 mm <sup>2</sup> /s
1655/10	450	2.5	500 - 2'500 mm <sup>2</sup> /s
1655/11	500	8.0	1600 - 8'000 mm <sup>2</sup> /s
1655/12	600	20	4'000 - 20'000 mm <sup>2</sup> /s

### ASTM Cannon Manning Semi-Micro Viscometers, with certificate, length 275 mm, sample volume 1 ml

Article	Size	Constant	Range
1659/01	25	0.002	0.4 - 1.0 mm <sup>2</sup> /s
1659/02	50	0.004	0.8 - 4.0 mm <sup>2</sup> /s
1659/03	75	0.008	1.6 - 8.0 mm <sup>2</sup> /s
1659/04	100	0.015	3 - 15 mm <sup>2</sup> /s
1659/05	150	0.035	7 - 35 mm <sup>2</sup> /s
1659/06	200	0.1	20 - 100 mm <sup>2</sup> /s
1659/07	300	0.25	50 - 250 mm <sup>2</sup> /s
1659/08	350	0.5	100 - 500 mm <sup>2</sup> /s
1659/09	400	1.2	240 - 1'200 mm <sup>2</sup> /s
1659/10	450	2.5	500 - 2'500 mm <sup>2</sup> /s
1659/11	500	8.0	1600 - 8'000 mm <sup>2</sup> /s
1659/12	600	20	4'000 - 20'000 mm <sup>2</sup> /s

### ASTM Zeitfuchs Cross-Arm Viscometers, for transparent and opaque liquids, with certificate, length 295mm, sample volume 3 ml

Article	Size	Constant	Range
1663/01	1	0.003	0.6 - 3 mm <sup>2</sup> /s
1663/02	2	0.01	2 - 10 mm <sup>2</sup> /s
1663/03	3	0.03	6 - 30 mm <sup>2</sup> /s
1663/04	4	0.1	20 - 100 mm <sup>2</sup> /s
1663/05	5	0.3	60 - 300 mm <sup>2</sup> /s
1663/06	6	1.0	200 - 1'000 mm <sup>2</sup> /s
1663/07	7	3.0	600 - 3'000 mm <sup>2</sup> /s
1663/08	8	10	2'000 - 10'000 mm <sup>2</sup> /s
1663/09	9	30	6'000 - 30'000 mm <sup>2</sup> /s
1663/10	10	100	20'000 - 100'000 mm <sup>2</sup> /s

### Pinkevitch Viscometer, for transparent liquids, with certificate, length 269 mm, sample volume 10 ml

Article	Size	Constant	Range
1669/01	0	0.0017	0.6 - 1.7 cSt
1669/02	1	0.0085	1.7 - 8.5 cSt
1669/03	2	0.027	5.4 - 27 cSt
1669/04	3	0.065	13 - 65 cSt
1669/05	4	0.14	28 - 140 cSt
1669/06	5	0.35	70 - 350 cSt
1669/07	6	1.0	200 - 1'000 cSt
1669/08	7	2.6	520 - 2'600 cSt
1669/09	8	5.3	1'060 - 5'300 cSt
1669/10	9	9.9	1'980 - 9'900 cSt
1669/11	10	17.0	3400 - 17'000 cSt

### Ubbelohde (DIN) Viscometers, for transparent liquids, with certificate, length 300 mm, sample volume 25 ml

Article	Size	Constant	Range
1671/01	0a	0.005	0.8 - 5
1671/02	I	0.01	1.2 - 10
1671/03	Ia	0.05	5 - 50
1671/04	II	0.1	10 - 100
1671/05	IIa	0.5	50 - 500
1671/06	III	1.0	100 - 1'000
1671/07	IIIa	5.0	500 - 5'000
1671/08	IV	10.0	1'000 - 10'000
1671/09	IVa	50.0	> 5'000

### Cannon-Manning Vacuum Capillary Viscometers, with certificate, length 245 mm

Article	Size	Constant	Range
1676/01	4	0.0002	0.0036 - 0.08 Pa.s
1676/02	5	0.0006	0.012 - 0.24 Pa.s
1676/03	6	0.002	0.036 - 0.8 Pa.s
1676/04	7	0.01	0.12 - 2.4 Pa.s
1676/05	8	0.02	0.36 - 8.0 Pa.s
1676/06	9	0.06	1.2 - 24 Pa.s
1676/07	10	0.2	3.6 - 80 Pa.s
1676/08	11	0.6	12 - 240 Pa.s
1676/09	12	2.0	36 - 800 Pa.s
1676/10	13	6.0	120 - 2'400 Pa.s
1676/11	14	20.0	360 - 8'000 Pa.s

### Asphalt Institute Vacuum Capillary Viscometers, with certificate, length 245 mm

Article	Size	Constant	Range
1677/01	25	0.2	4.2 - 80 Pa.s
1677/02	50	0.8	18 - 320 Pa.s
1677/03	100	3.2	60 - 1280 Pa.s
1677/04	200	12.8	240 - 5'200 Pa.s
1677/05	400	50	960 - 20'000 Pa.s
1677/06	400Rc	50	960 - 140'000 Pa.s
1677/07	800Rc	200	3'800 - 580'000 Pa.s

### Modified Koppers Vacuum Capillary Viscometers, with certificate, length 270 mm

Article	Size	Constant	Range
1678/01	25	0.2	4.2 - 80 Pa.s
1678/02	50	0.8	18 - 320 Pa.s
1678/03	100	3.2	60 - 1'280 Pa.s
1678/04	200	12.8	240 - 5'200 Pa.s
1678/05	400	50	960 - 20'000 Pa.s

### Master Viscometers, with certificate, length 420~580 mm

Article	Size	Constant
1690/01	0	0.001
1690/02	0C	0.003
1690/03	0B	0.005
1690/04	1	0.01
1690/05	1C	0.03
1690/06	1B	0.05
1690/07	2	0.1
1690/08^	2C	0.3
1690/09	2B	0.5
1690/10	3	1.0
1690/11	3C	3.0
1690/12	3B	5.0
1690/13	4	10
1690/14	4C	30
1690/15	4B	50
1690/16	5	100