



precision  
glass capillary  
viscometers

### ASTM Ubbelohde

Suitable for measuring transparent liquids. High precision & easy to use. Nominal overall length 283 mm; approximate sample volume 18 ml. Complete with ISO 17025 certificate of calibration.



Part No.	Size	Constant	Range (mm <sup>2</sup> /s)
1643/01	O	0.001	0.3 to 1
1643/02	OC	0.003	0.6 to 3
1643/03	OB	0.005	1 to 5
1643/04	1	0.01	2 to 10
1643/05	1C	0.03	6 to 30
1643/06	1B	0.05	10 to 50
1643/07	2	0.1	20 to 100
1643/08	2C	0.3	60 to 300
1643/09	2B	0.5	100 to 500
1643/10	3	1.0	200 to 1,000
1643/11	3C	3.0	600 to 3,000
1643/12	3B	5.0	1,000 to 5,000
1643/13	4	10	2,000 to 10,000
1643/14	4C	30	6,000 to 30,000
1643/15	4B	50	10,000 to 50,000
1643/16	5	100	20,000 to 100,000

### U-Tube Reverse Flow Viscometers

Suitable for measuring opaque liquids. Type BS/IP/RF. Nominal overall length 275 mm; approximate sample volume 12-25 ml. Complete with ISO 17025 certificate of calibration.



Part No.	Size	Constant	Range (mm <sup>2</sup> /s)
1637/01	1	0.003	0.6 to 3
1637/02	2	0.01	2 to 10
1637/03	3	0.03	6 to 30
1637/04	4	0.1	20 to 100
1637/05	5	0.3	60 to 300
1637/06	6	1.0	200 to 1,000
1637/07	7	3.0	600 to 3,000
1637/08	8	10	2,000 to 10,000
1637/09	9	30	6,000 to 30,000
1637/10	10	100	20,000 to 100,000
1637/11	11	300	60,000 to 300,000

### Cannon-Fenske Routine

Suitable for measuring transparent liquids. Calibration data stated at 40 & 100°C. Nominal overall length 250 mm; approximate sample volume 7 ml. Complete with ISO 17025 certificate of calibration.



Part No.	Size	Constant	Range (mm <sup>2</sup> /s)
1634/01	25	0.002	0.5 to 2
1634/02	50	0.004	0.8 to 4
1634/03	75	0.008	1.6 to 8
1634/04	100	0.015	3 to 15
1634/05	150	0.035	7 to 35
1634/06	200	0.1	20 to 100
1634/07	300	0.25	50 to 250
1634/08	350	0.5	100 to 500
1634/09	400	1.2	240 to 1,200
1634/10	450	2.5	500 to 2,500
1634/11	500	8	1,600 to 8,000
1634/12	600	20	4,000 to 20,000
1634/13	650	50	10,000 to 50,000
1634/14	700	100	20,000 to 100,000

### Cannon-Fenske Opaque

Suitable for measuring opaque liquids. Calibration data stated at 40 & 100°C. Nominal overall length 295 mm; approximate sample volume 12 ml. Complete with ISO 17025 certificate of calibration.



Part No.	Size	Constant	Range (mm <sup>2</sup> /s)
1641/01	25	0.002	0.4 to 2
1641/02	50	0.004	0.8 to 4
1641/03	75	0.008	1.6 to 8
1641/04	100	0.015	3 to 15
1641/05	150	0.035	7 to 35
1641/06	200	0.1	20 to 100
1641/07	300	0.25	50 to 250
1641/08	350	0.5	100 to 500
1641/09	400	1.2	240 to 1,200
1641/10	450	2.5	500 to 2,500
1641/11	500	8	1,600 to 8,000
1641/12	600	20	4,000 to 20,000
1634/13	650	50	10,000 to 50,000
1634/14	700	100	20,000 to 100,000

PSL-RHEOTEK offers a comprehensive range of precision calibrated glass capillary kinematic viscometers. These are hand made by our experienced glass blowers from high grade borosilicate glass tubing. PSL viscometers are used by laboratories throughout the world and enjoy a high reputation for quality workmanship and accuracy of calibration. Calibration is performed on-site by our UKAS accredited ISO 17025 calibration laboratory.

## Zeitfuchs Cross-Arm Viscometers

Type ASTM – Nominal overall length 295 mm; approximate sample volume up to 3 ml. Complete with ISO 17025 certificate of calibration.



Part No.	Size	Constant	Range (mm <sup>2</sup> /s)
1663/01	1	0.003	0.6 to 3
1663/02	2	0.01	2 to 10
1663/03	3	0.03	6 to 30
1663/04	4	0.1	20 to 100
1663/05	5	0.3	60 to 300
1663/06	6	1.0	200 to 1,000
1663/07	7	3.0	600 to 3,000
1663/08	8	10	2,000 to 10,000
1663/09	9	30	6,000 to 30,000
1663/10	10	100	20,000 to 100,000

## U-Tube Viscometers

Suitable for measuring transparent liquids. Type BS/U - Nominal overall length 300 mm, approximate sample volume 13-40 ml. Complete with ISO 17025 certificate of calibration.



Part No.	Size	Constant	Range (mm <sup>2</sup> /s)
1619/00	O	0.001	0.3 to 1
1619/01	A	0.003	0.9 to 3
1619/02	B	0.01	2.0 to 10
1619/03	C	0.03	6 to 30
1619/04	D	0.1	20 to 100
1619/05	E	0.3	60 to 300
1619/06	F	1.0	200 to 1,000
1619/07	G	3.0	600 to 3,000
1619/08	H	10	2,000 to 10,000

## Suspended-Level Viscometers, Shortened Form

Suitable for measuring transparent liquids. Type BS/IP/SL – Nominal overall length 250mm; approximate sample volume 10ml. Complete with ISO 17025 certificate of calibration.



Part No.	Size	Constant	Range (mm <sup>2</sup> /s)
1628/01	1	0.0008	1.05 min
1628/02	2	0.003	2.1 to 3
1628/03	3	0.01	3.8 to 10
1628/04	4	0.03	6 to 30
1628/05	5	0.10	20 to 100
1628/06	6	0.3	60 to 300
1628/07	7	1.0	200 to 1,000
1628/08	8	3.0	600 to 3,000
1628/09	9	10	2,000 to 10,000

## Suspended-Level Viscometers

Suitable for measuring transparent liquids. Type BS/IP/SL – Nominal overall length 330mm; approximate sample volume 22-40 ml. Complete with ISO 17025 certificate of calibration.

Part No.	Size	Constant	Range (mm <sup>2</sup> /s)
1625/01	1	0.01	3.5 to 10
1625/02	1A	0.03	6 to 30
1625/03	2	0.1	20 to 100
1625/04	2A	0.3	60 to 300
1625/05	3	1.0	200 to 1,000
1625/06	3A	3.0	600 to 3,000
1625/07	4	10	2,000 to 10,000
1625/08	4A	30	6,000 to 30,000
1625/09	5	100	20,000 to 100,000

The PSL-RHEOTEK range of viscometers are manufactured by Poulten Selfe & Lee, United Kingdom. Since the 1930's the company has supplied glass capillary viscometers to laboratories all over the world

## Miniature Suspended-Level Viscometers

Suitable for measuring transparent liquids. Type BS/IP/MSL – Nominal overall length 330mm; approximate sample volume 4ml. Complete with ISO 17025 certificate of calibration.

Part No.	Size	Constant	Range (mm <sup>2</sup> /s)
1631/01	1	0.003	0.6 to 3
1631/02	2	0.01	2 to 10
1631/03	3	0.03	6 to 30
1631/04	4	0.1	20 to 100
1631/05	5	0.3	60 to 300
1635/06	6	1.0	200 to 1,000
1635/07	7	3.0	600 to 3,000

# Accessories



**Viscometer Bench Stand**  
Part No. 20430



**SCAN Viscometer**  
Part No. 21003/Type C  
21004/Type T

**TLC-1 Chiller**  
Part No. 20410



**Master Viscometer**  
Part No. 1690 series

## Metal Viscometer Holders



Part No.	Specifications
1850/A1	Universal Viscometer Holder
1818/A1	U-Tube Viscometer Holder Size O to F
1818/A2	U-Tube Viscometer Holder Size G & H
1824/A1	Suspended-Level Viscometer Holder Size 1 to 4
1824/A2	Suspended-Level Viscometer Holder Size 4A & 5
1827/A1	Suspended-Level Short Form Viscometer Holder
1833/A1	Cannon-Fenske Routine Viscometer Holder
1836/A1	U-Tube Reverse Flow Viscometer Holder
1840/A1	Cannon-Fenske Opaque Viscometer Holder
1842/A1	Ubbelohde Viscometer Holder Size 0 to 4
1842/A2	Ubbelohde Viscometer Holder Size 4C to 5

## Plastic Viscometer Holders



Part No.	Specifications
1933/A1	Plastic holder for Cannon-Fenske Routine
1940/A1	Plastic holder for Cannon-Fenske Opaque
1942/A1	Plastic holder for ASTM Ubbelohde (sizes 0 to 4)

**TCB-7 Viscometer Bath**  
Part No. 20402



### Other Viscometers available:

- Master Viscometers
- Scan Viscometers
- Ostwald Viscometers
- Suspended-Level dilution Viscometers
- Deoxyribonuclease Assay Viscometers
- Falling Sphere Viscometers
- Bitumen Viscometers

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