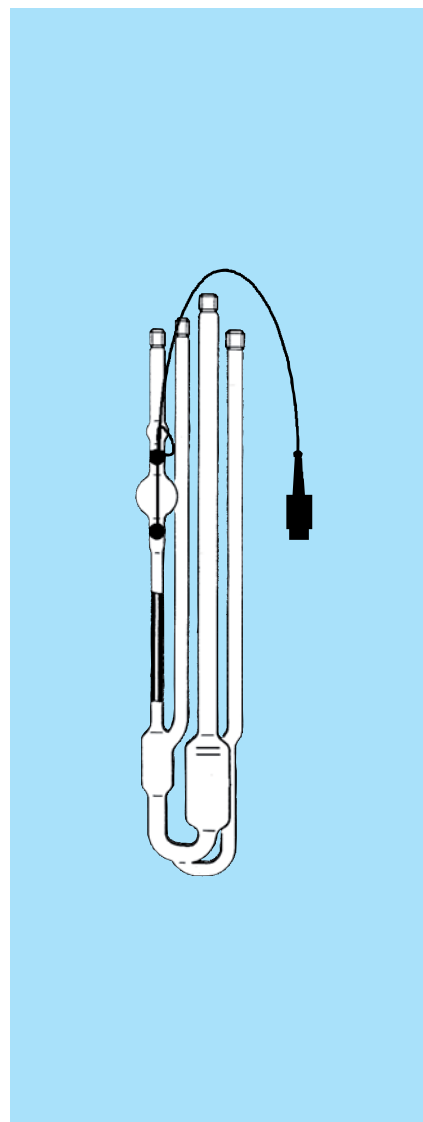


# Ubbelohde viscometers with TC sensors



Viscometers with suspended ball level for determination of absolute and relative kinematic viscosity of liquids with Newtonian flow behaviour. The measuring levels are marked by TC sensors. The meniscus passage is detected due to the different conductivity of the liquid phase and the gas phase. A measurement stand of the type series AVS/S is not required. TC viscometers can be used to determine the kinematic viscosity of all liquids with Newtonian flow behaviour.

They are especially suitable for liquids that cannot be detected with other systems: untransparent and/or black and/or electric conductive measuring samples.

TC viscometers are manufactured from technical glass types with an expansion coefficient of  $\alpha = \text{ca. } 9 \cdot 10^{-6}$ . Due to the electric properties of TC sensors, it is important to make sure that a type is selected that is suitable for the required application temperature.

## TC viscometers with additional filling and cleaning tube and with glass thread

- the technical measurement characteristics are in accordance with DIN 51 562, part 1, ISO/DIS 3105 (BS-IP-SL)
- for use in combination with an automatic viscosity measuring instrument and an AVS 24, AVS 26 or AVS 270 automatic viscometer cleaner
- filling quantity: 18 ... 22 ml
- overall length: approx. 355 mm

calibrated,  
with constant for automatic measurements

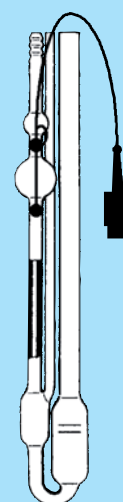
Type No.	Order No.	Type No.	Order No.	Type No.	Order No.	Capillary No.	Capillary Ø i [mm]	Constant K (approx.)	Measuring range [mm <sup>2</sup> /s] (approx.)
+10 ... +80 °C		-40 ... +30 °C		+70 ... +150 °C					
562 03	285423120	–	–	–	–	0c	0.47	0.003	0.5 ... 3
562 10	285423130	563 10	285423240	564 10	285423330	I	0.54	0.01	1,2 ... 10
562 13	285423140	563 13	285423250	564 13	285423340	Ic	0.84	0.03	3 ... 30
562 20	285423150	563 20	285423260	564 20	285423350	II	1.15	0.1	10 ... 100
562 23	285423170	563 23	285423270	564 23	285423360	IIc	1.51	0.3	30 ... 300
562 21	285423160	–	–	–	–	IIa	1.69	0.5	50 ... 500
562 30	285423180	563 30	285423280	564 30	285423370	III	2.05	1	100 ... 1000
562 33	285423200	563 33	285423290	564 33	285423380	IIIc	2.7	3	300 ... 3000
562 31	285423190	–	–	–	–	IIIa	3.0	5	500 ... 5000
562 40	285423210	563 40	285423300	564 40	285423390	IV	3.7	10	1000 ... 10000
562 43	285423230	563 43	285423320	564 43	285423400	IVc	4.9	30	3000 ... 20000
562 41	285423220	563 41	285423310	–	–	IVa	5.3	50	5000 ... 30000

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+10 ... +80 °C		-40 ... +30 °C		+70 ... +150 °C					
567 03	285423420	–	–	–	–	0c	0.47	0.003	0.5 ... 3
567 10	285423430	568 10	285423540	569 10	285423630	I	0.64	0.01	1.2 ... 10
567 13	285423440	568 13	285423550	569 13	285423640	Ic	0.84	0.03	3 ... 30
567 20	285423450	568 20	285423560	569 20	285423650	II	1.15	0.1	10 ... 100
567 23	285423470	568 23	285423570	569 23	285423660	IIc	1.51	0.3	30 ... 300
567 21	285423460	–	–	–	–	IIa	1.69	0.5	50 ... 500
567 30	285423480	568 30	285423580	569 30	285423670	III	2.05	1	100 ... 1000
567 33	285423500	568 33	285423590	569 33	285423680	IIIc	2.7	3	300 ... 3000
567 31	285423490	–	–	–	–	IIIa	3.0	5	500 ... 5000
567 40	285423510	568 40	285423600	569 40	285423690	IV	3.7	10	1000 ... 10000
567 43	285423530	568 43	285423620	569 43	285423700	IVc	4.9	30	3000 ... 20000
567 41	285423520	568 41	285423610	–	–	IVa	5.3	50	5000 ... 30000