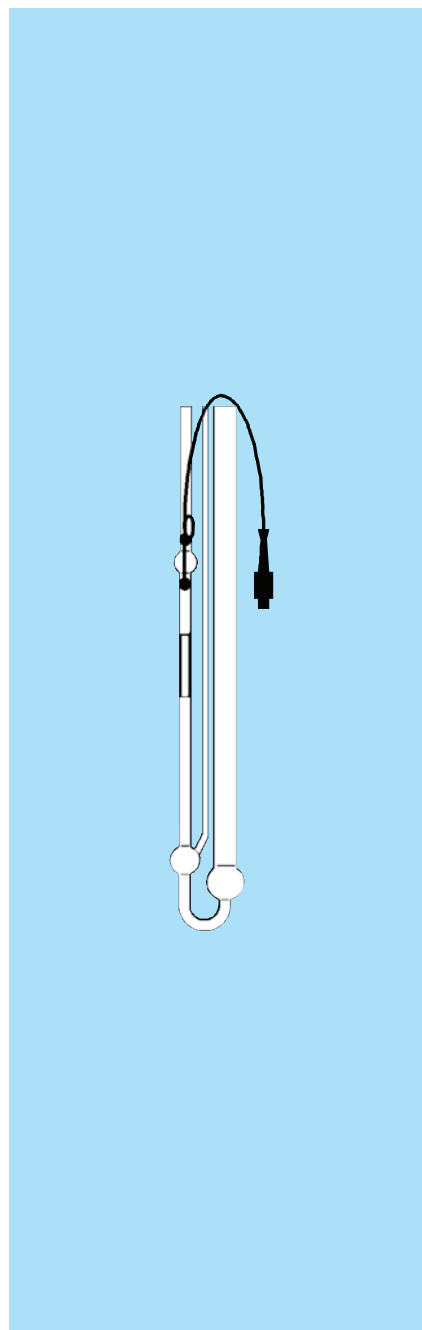


Micro-Ubbelohde viscometers with TC sensors



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 electrically 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.

Micro TC viscometers

- the technical measurement characteristics are in accordance with DIN 51 562, Part 2
- for use in combination with an automatic viscosity measuring instrument
- filling quantity: 3 ... 4 ml
- overall length: approx. 350 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 ² /s] (approx.) |
|----------------|-----------|----------------|-----------|-----------------|-----------|---------------|-----------------------|-------------------------|---|
| +10 ... +80 °C | | -40 ... +30 °C | | +70 ... +150 °C | | | | | |
| 572 10 | 285423710 | 573 10 | 285423780 | 574 10 | 285423850 | M I | 0.40 | 0.01 | 0.4 ... 6 |
| 572 13 | 285423720 | 573 13 | 285423790 | 574 13 | 285423860 | M Ic | 0.53 | 0.03 | 1.2 ... 18 |
| 572 20 | 285423730 | 573 20 | 285423800 | 574 20 | 285423870 | M II | 0.70 | 0.1 | 4 ... 60 |
| 572 23 | 285423740 | 573 23 | 285423810 | 574 23 | 285423880 | M IIc | 0.95 | 0.3 | 12 ... 180 |
| 572 30 | 285423750 | 573 30 | 285423820 | 574 30 | 285423890 | M III | 1.26 | 1 | 40 ... 800 |