

## Technical Flow Cup Meter PCE-127

### **DIN flow viscometer to measure viscosity / German standard DIN 53211 / cup made of anodised aluminium / also available as immersion cup**

A DIN flow viscometer is a viscometer to determine the toughness of liquids. It is commonly used in the industrial sector as well as in research laboratories. However, only low-viscosity liquids can be measured by means of this method as liquids cannot pass through the nozzles if their viscosity is too high. Therefore, Newtonian liquids can be tested by the flow viscometer with the highest accuracies. The viscosity is determined on the basis of the flow rate and the time the liquid needs to pass through the nozzle from the flow cup. The start time is when the liquid exits the flow cup at the lower edge of the nozzle. The time is stopped as soon as the liquid does not run smoothly anymore or stops. Additionally, there are immersion cups for quick on-site measurement which are only immersed in the medium to be measured. You can start the time measurement as soon as you lift the cup and the liquid escapes from the nozzle. When you finish your measurement, it is crucial that you clean the flow viscometer as dried-on residues can impair the next measurement result. You should also make sure not to use pointed or sharp tools for cleaning because scratches and abrasion also affect the result.

- material: anodised aluminium
- 2 editions available
- factory calibration certificate included
- with overflow gutter
- meets international standards
- stand additionally available for PCE-127/4

#### **Technical specifications**

Capacity	100 ml
Diameter nozzle	4 mm ( ± 0.02 mm)
Standard	DIN 53211
Flow time	25 ... 150
Dynamic viscosity (mPA * s)	96.2 ... 680
Material	cup: anodised aluminium nozzle: stainless steel
Dimensions 127/4 (DIN flow cup)	Ø interior 50 mm Ø exterior 85 mm height 70 mm
Weight	approx. 200 g

Dimensions 127/4P (immersion cup)

Ø interior 50 mm

Ø exterior 65 mm

height 78 mm

handle height 170 mm

Gewicht

approx. 215 g

**Delivery content**

DIN flow viscometer (or immersion cup), glass plate, factory calibration certificate, manual

PLEASE NOTE: TEST STAND NOT INCLUDED - IT CAN BE ORDERED AS AN ACCESSORY (ORDER ID: BDG 130)