

## Technical Viscometer PCE-125/2

### **Ford viscometer PCE-125/2 / international standards ASTM D1200, D333 and D365 machine-made, anodised aluminium with exchangeable stainless steel nozzle**

Ford viscometers are used to quickly and easily measure the viscosity of liquids. However, it must be borne in mind that this will only work with low-viscosity liquids. Thick pastes and other substances with high viscosities are not suitable for measurement by means of a flow cup. The structure of a flow cup is standardised according to DIN and thus always the same. A flow cup is a hollow cylindrical body which opens out into an exchangeable nozzle in most cases. Just like the cup, the apertures of the nozzles are in line with DIN standards.

A measurement can be carried out as follows: First of all, the user must cover the holes at the bottom of the nozzle and fill in the substance to be measured. Make sure that the cup is completely filled. An overflow gutter prevents faulty measurement caused by liquid escaping at the edge. The glass plate is then moved over the edge of the cup to remove excess material. Now you can open the nozzle. Due to the negative pressure, the material will remain in the cup. When removing the glass plate from the cup horizontally, please activate the stopwatch. As soon as the flow is interrupted for the first time, stop the time and write it down.

When using a flow cup, it is very important to make sure that it is cleaned thoroughly after each measurement as residues in the nozzle and in the cup can falsify future results. Deep or numerous scratches in the flow cup can also cause inaccurate results as the material carried off changes the volume of the cup and therefore the DIN standards is no longer met.

- anodised aluminium – satin finish
- incl. factory calibration certificate
- overflow gutter for clean operation
- in line with international standards
- tripod optionally available

### **Technical Data**

Model	PCE-125/2	PCE-125/3	PCE-125/4	PCE-125/5
Inner vertical height	43 ±0.1mm	43 ±0.1mm	43 ±0.1mm	43 ±0.1mm
Nozzle inside Ø	2.53 mm	3.4 mm	4.1 mm	5.2 mm
Nozzle outside Ø	5.0 ±0.5mm	5.5 ±0.5mm	6.0 ±0.5mm	7.6 ±0.5mm

Measurement range (mm <sup>2</sup> /s)	25 ... 120	49 ... 220	70 ... 370	215 ... 1.413
Flow time (s) ±0.2	40 ... 100	25 ... 105	20 ... 105	20 ... 105
Material	cup: anodised aluminium nozzle: stainless steel			
Standard	international standards ASTM D1200, D333 and D365			
Dimensions	Ø interior 50 mm Ø exterior 85 mm height 76 mm			
Weight	approx. 320 g			

**Delivery content**

Ford viscometer, factory calibration certificate, glass plate, instruction manual

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

## Technical Viscometer PCE-125/3

### **Ford viscometer PCE-125/3 / international standards ASTM D1200, D333 and D365 machine-made, anodised aluminium with exchangeable stainless steel nozzle**

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- anodised aluminium – satin finish
- incl. factory calibration certificate
- overflow gutter for clean operation
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## Technical Viscometer PCE-125/4

### **Ford viscometer PCE-125/4 / international standards ASTM D1200, D333 and D365 machine-made, anodised aluminium with exchangeable stainless steel nozzle**

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- incl. factory calibration certificate
- overflow gutter for clean operation
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## Technical Viscometer PCE-125/5

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- anodised aluminium – satin finish
- incl. factory calibration certificate
- overflow gutter for clean operation
- in line with international standards
- tripod optionally available

### **Technische Daten**

Modell	PCE-125/2	PCE-125/3	PCE-125/4	PCE-125/5
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Material	cup: anodised aluminium nozzle: stainless steel			
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