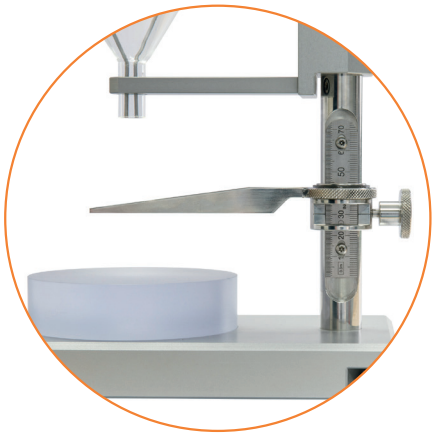
Angle of repose meter

for determining the angle of repose of powders and granulates according to DIN ISO 4324



MP-V36.61

The angle of repose measuring device was originally developed for testing surfactants. However, it can also be used for other powders and granulates.

Sense and purpose of the angle of repose measurement

The angle of repose of powders and granules provides information about their behavior during transport and storage, for example when filling or emptying silos.

Definition of the angle of repose

The angle of repose is defined as the angle at the base of the pouring cone. It is therefore the angle between the generatrix of the resulting cone and the horizontal.

Determining of the angle of repose

The above mentioned cone is formed by the sample running from a glass funnel onto a circular disk with a precisely known diameter. This means that the base diameter of the cone of repose is also known along with the diameter of the disk.

This means that the angle of repose only depends on the height of the cone of repose. Therefore, each measured cone height is clearly assigned an angle of repose.

Ordering information

Angle of repose meter according to DIN ISO 4324	**MP-V36.61**
Factory calibration certificate	**MP-100.04Z**

Technical data

Dimensions and weight	
W x D x H	160 x 240 x 385 mm
Weight	approx. 2895 g

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