

Thickness gauge

Textile fabrics are mainly characterized by width and weight. For the technical textiles such as needle feltings, nonwovens or carrier fabrics for coatings more and more frequently also the thickness of the textile is relevant as a third dimension. For example in case of technical felts the specific weight, also called density, is a decisive test parameter in final inspection which is determined through the weight and the volume.

Due to the flexibility of the textile not all thickness gauges are suitable as the pressure point may in general not be too strong. Moreover there are often measurements of more than one measurement point along the fabric's width.

Thickness gauges are used to measure the thickness of different textile fabrics. They can be applied mobile as well as stationary.

Application

Measurement takes place by lowering a measurement plate with known mass and size onto a textile with predefined pressure and afterwards measuring the height.



Picture 1 – Thickness gauge

Thickness gauge	Ord.No. ZB-DMG01e
throat depth	200 mm
measuring range	30 mm thickness
resolution	0,1 mm
gauging force	by request 1,8 N 0,9 N 2,5 N
display	analogous dial gauge with scale diameter 54mm optionally digital display
suitable for	rubber cloths, fleece, felt, fabrics , knitted fabrics, warp knits and 3D textiles
measurement tray	diameter 30 mm *not conform to DIN EN ISO-Norms
weight of the dial gauge	700 g
accessories	storage box storage device for application as a standing unit
package item	from 1 piece

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