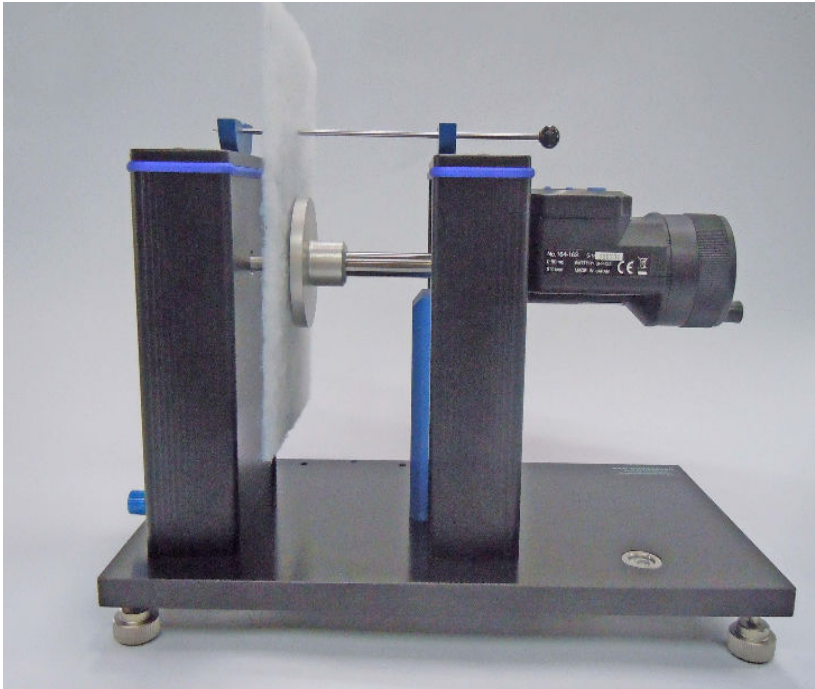**VDM 13 Thickness Gauge**

for the purpose of determining the thickness of bulky nonwovens in accordance with
DIN EN ISO 9073-2 point 5.2 and EDANA 30.5-99 point 4.2

Technical data:

Measuring range: 0 … 50 mm Pressure foot: 2500 mm²

Reading accuracy: 0,001 mm Anvil: 1000 mm²

Reproducibility of Measuring pressure: 0,02 kPa

measurement: ±0,03 mm Indicator of measuring readiness: LED green

Interface: RS 232 C, Power supply: 100 – 240VAC/ 5 VDC

footswitch Battery: SR - 44

Options:

Footswitch, PC software vdmpc

Test Method and Description of Equipment:

The development is based on the demand to meet the special requirements which are made on the product and to

guarantee a high measuring accuracy and reproducibility.

The vertical measuring system complying with standards is consisting of a digital measuring screw with a pressure

foot and an anvil in a precision bearing. The pressure foot is coupled with an electronic meter that generates a

signal as soon as the pressure foot and the anvil are parallel to each other. In this position the prssure foot exerts a

measuring pressure of 0,02 kPa on the specimen and the measurement is released.

The VDM01 can be connected to a PC via Interface. The PC software vdmpc assists the operator in the

compliance with DIN EN ISO 9073-2 regarding creation, output and the putting of the test protocol into the

archives. By the calculation of the statistics values after every measuring value transfer the user can meet an

immediate decision if the current measurement is acceptable or not.

With the automatic transfer of the data in the test protocol and the following calculation input and calculation errors

are excluded. Therefore the software is espescially suitable for series measurements. Different functions can be

adapted to client's specification.