

## Adhesive Volume Meter KVM 03



### Product Information

The Adhesive Volume Meter facilitates precise adjustment and control of production parameters for adhesive application.

Such measurements can be taken easily and speedily on the spot through use of the Adhesive Volume Meter.

The process is based on confirming the adhesive quantity to a gap. For this purpose, the adhesive is formed to a thin disk whose diameter can be easily determined through use of the glass object holder.

The unit was specifically designed for use in SMD technique and can be employed for adhesives, solder pastes etc. up to an extreme degree of viscosity.

Uniform quality of glued joints results in increased reliability of fitted pc boards and in a reduction of the number of rejects.

The unit makes it possible to check to which extent a dispensing device on temperature, pressure, adhesive viscosity etc.

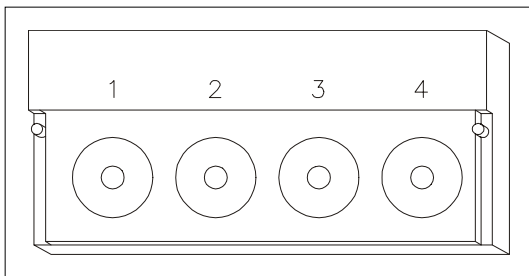
### Measuring Range

0.010 mm<sup>3</sup> to 3.0 mm<sup>3</sup>  
 (= 0.012 mg to 3.6 mg adhesive)

### Component Parts

- Measuring plate
- Glass object holder
- Measuring template
- Operating instructions
- Box

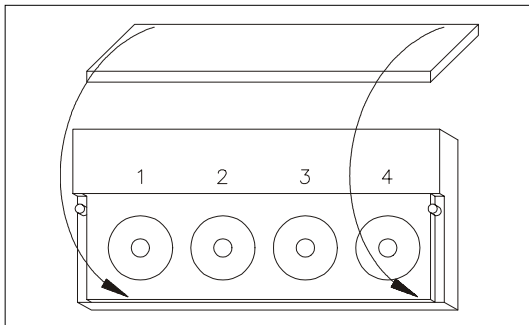
## Measuring Sequence:



### DISPENSING

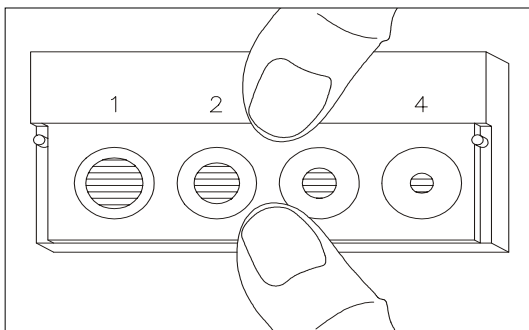
Carefully free measuring plate and glass object holder of dust particles and of contamination prior to measuring.

The adhesive can be directly dispensed into the indentations of the measuring plate.



### PRESSING THE GLASS

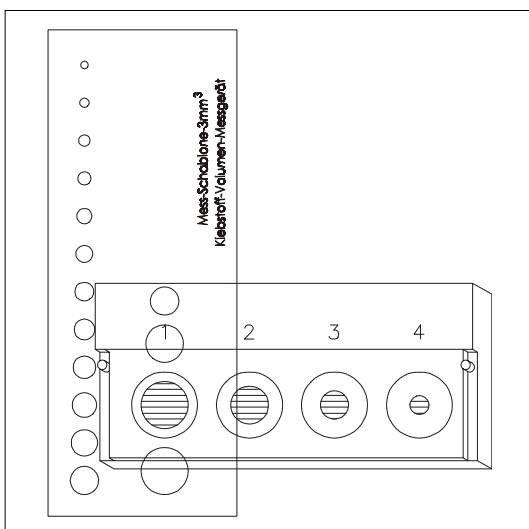
Position longitudinal edge of the plate at the recess of the measuring plate. Place the plate level on the measuring plate.



### PRESSING

The plate is at least briefly to be positioned level on the measuring plate, however, take care to not press it into any indentations.

For this purpose, press two thumbs onto the measuring plate next to each indentation.



### READING OFF

Make the outermost edge of the adhesive samples created during pressing to coincide with the ring of the measuring template matching best.

Directly read off the sample volume at the measuring template in mm<sup>3</sup>.

The measuring accuracy is increased by interpolation between two measuring stages. Subsequently remove adhesive from all machine parts using an appropriate solvent.