

Experiment one

Measuring lengths Using a caliper gauge with vernier

Objective of the Experiment

- Determination of an outside, an inside-, and a depth dimension by means of a caliper gauge.
- Improvement of the measuring accuracy by means of a vernier.

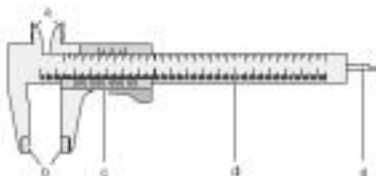


fig. 1. Caliper gauge with a vernier

a: scale measuring shank b: long measuring shank
c: slide with vernier d: ruler with a millimeter scale
e: feeler for depth measurements

fig. 2 Using a vernier

above: zero-position,
below: setting 0.40 mm

