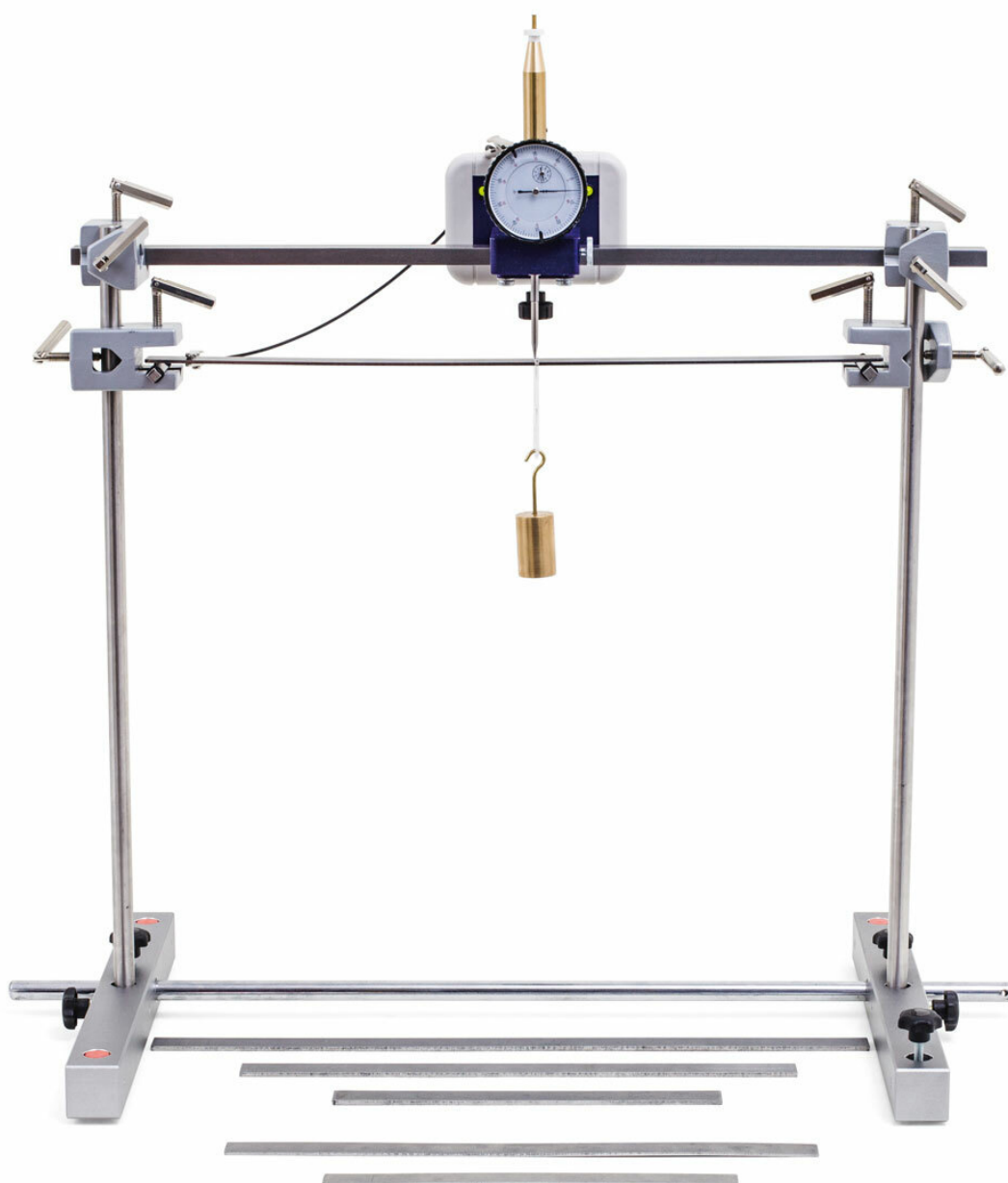


**U8557260 - Apparatus for Measuring
Young's Modulus**
Order code: **5401.1018527**



Cena bez DPH

896,00 Eur

Price with VAT

1.084,16 Eur

Parameters

Measuring apparatus for investigating the elastic deformation of rods of flat geometry and for determining the modulus of elasticity. Features a strain gauge unit for determining the deformation of electrically conducting material samples. The strain gauge unit is electrically connected to the material sample in such a way that placing of the probes on the sample is determined with a high degree of sensitivity and displayed with the help of two LEDs. The bending of the material sample with the weight suspended is measured to an accuracy of 0.01 mm and the modulus of elasticity can then be calculated from the reading.

Battery for strain gauge unit: 9 V, 6F22

Contents:

- 6 Flat steel rods (w: 15 mm, l: 200 / 300 / 400 mm, thickness: 2 / 3 mm)
- 1 Strain gauge unit
- 1 Horizontal beam with stand
- 2 Knife-edge bearings
- 1 Clamping chuck
- 1 Set of weights and retaining clamps

Experiment Topics:

Elastic deformation of flat bars
Determining modulus of elasticity

Advantages:

Load characteristics of the strain gauge may be ignored
Measurements can be set up with the material samples supported on both sides or clamped at one end

Technical data:

Dimensions: 550 x 280 x 500 mm
Weight: 5.5 kg approx