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Product Name :
Stress And Strain Analysis On A Membrane

Product Code :
LBNY-0005-101000108



Description :

Investigation of the deflection and strain of a thin disc under internal pressure
Dial gauge with scale, adjustable mounting
Measurement of deflection possible at any radius
Strain gauge configured as half-bridge
Strain gauges measure the radial and hoop strain
Hydraulic cylinder with hydraulic pump to generate pressure
Hermetically sealed hydraulic system, maintenance-free
Multi-pin connector for measuring amplifier provided.

Technical Specification :

Technical Data:

Strain gauge application
8 strain gauges: half-bridges, 350 Ohm
Gauge factor: 2,00 +/-1%
Supply voltage: 10V
Aluminium disc
Outer diameter: d=230mm
Diameter used in experiment: d=200mm
Thickness: 3mm
Pressure gauge
0...1bar, accuracy: class 1.0
System pressure: max. 0,6bar

Dial gauge
0...20mm, graduations: 0,01mm.



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