



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Stress And Strain Analysis On A Thick-Walled Cylinder

**Product Code :**  
LBNY-0005-12700062



**Description :**

Hydraulic cylinder with hydraulic pump to generate pressure  
Hermetically sealed hydraulic system, maintenance-free  
Investigation of the stresses and strains in a thick-walled cylinder under internal pressure  
Strain gauge application at various radial points in the groove and on the cylinder surface  
Two-part cylinder with flat groove.

**Technical Specification :**

Aluminium cylinder  
wall thickness: 50mm  
internal pressure: max. 7N/mm (70bar)  
length: 300mm  
diameter: d=140mm  
Strain gauge application  
gauge factor: 2,00 +/-1%  
11 strain gauges: half-bridges, 350Ohm  
Pressure gauge: 0...100bar, accuracy: class 1,0  
Supply voltage: 10V.

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# Laboratory Instrument India

