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**Product Name :**  
Experimental Module Journal Bearing Pressure Distribution

**Product Code :**  
LBNY-0005-10100041



#### **Description :**

The pressure profile is indicated by the different heights reached by the lubricant in the tubes. The unit is intended for use with the basic module 13 measuring points that open out into measuring tubes are distributed around the periphery of the bearing shell. The unit enables the pressure distribution in a plain bearing with hydrodynamic lubrication to be displayed. Due to the radially adjustable bearing housing, the width of the gap can be adjusted in 1/100mm steps using a micrometer.

#### **Technical Specification :**

Bearing housing can be slid, gap adjustable  
Bearing housing made of transparent plastic  
Shaft diameter 50mm h9, width 50mm, shaft material stainless steel  
Benchtop experiment for demonstrating the pressure distribution in a plain bearing with hydrodynamic lubrication, operation with the module  
13 measuring points distributed radially on the bearing shell.

#### **Technical Data:**

Bearing journal  
52.5mm  
Gap width: 0...1.25mm, graduations: 1/100mm  
Shaft  
Diameter: 50mm, h9  
Width: 50mm  
Stainless steel

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Dimensions and Weight:

l x w x h: 350 x 120 x 450 mm

Weight: approx. 7 kg.



**Laboratory Instrument India**