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**Product Name :**  
Experiments With A Gear Pump

**Product Code :**  
LBNY-0005-103000182



#### **Description :**

Functioning and operating behaviour of a gear pump  
Sensors for temperature and pressure at inlet and outlet of the pump  
Oval wheel meter as flow sensor  
Closed oil circuit contains a gear pump with variable speed via frequency converter and a transparent tank  
Microprocessor-based measuring technique  
Transparent housing for observing the pump gears  
Overflow valve for adjusting the head  
Needle valve for adjusting the flow rate.

#### **Technical Specification :**

##### **Technical Data:**

Gear pump with speed-controlled drive  
Max. head: approx. 100m  
Overflow valve: 0...5,5bar  
Nominal speed: 200...1000min<sup>-1</sup>  
Power consumption: 370W  
Max. flow rate: approx. 15cm per revolution  
Measuring Ranges:  
Flow rate: 0...25L/min  
Temperature: 0...100C  
Pressure (inlet): -1...1bar  
Pressure (outlet): 0...5bar.



**Laboratory Instrument India**