



Email : sales@laboratoryinstrumentindia.com

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⁻¹
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.



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