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Product Name :
Energy Balance Apparatus

Product Code :
LBNY-0005-1650002



Description :

Features:

Compressor driven by an electric motor
Air pressure out of compressor
Single Stage Compressor
Adjustment of air pressures via valves
Airflow rate read by airflow flowmeter.
Motor spring balance
Wattmeter on the front panel for power measurement.

Technical Specification :

Experimental Capability:

Energy balance and the first law of thermodynamics
Measurement and quantification of energy flow around a compressor.
Pressure ratio
Specific volume through flowmeter
Entropy and the second law of thermodynamics
Compressed volumetric efficiency
Mass flow rate
Isentropic efficiency of the compressor.
Specific volume into compressor
Volumetric flow rate
Energy Analysis of motor

Volumetric efficiency of compressor.
Energy analysis of compressor
Energy analysis of system.



Laboratory Instrument India