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Product Name :
Compressor Trainer Single and Duplex Compressor

Product Code :
LBNY-0005-10600012



www.laboratoryinstrumentindia.com

Description :

The gas compression apparatus consists of two commercial compressor receiver units each with added temperature indicators, flow indicator, power meter and pressure indicating controller. The compressors are of similar power demand but different design. Pressure, temperature and flow data obtained can be used to calculate compression efficiency. Control valves are provided to provide control of the downstream pressure.

Function of Compressor Trainer Single and Duplex Compressor

The gas compressors use air as the working fluid to demonstrate reciprocal compressor operation. Trainees select compressor type and flow rate then read and record the flows and temperatures for further analysis. The discharge pressure is automatically controlled to a selected process pressure set point.

Technical Specification :

Dedicated notebook computer with HMI software
Mounted on a steel skid
Nominal compressor power 5Hp
Receiver volume 60 us gallons
Instrumentation & control includes
Flow transmitter
Electrical power transmitter
Data acquisition and PID control by programmable logic controller (PLC)
Inlet, inter-stage and discharge temperature transmitters
Inter-stage and discharge pressure transmitters
Approximate overall dimensions are 120 cm x 240 cm x 210 cm high.



Laboratory Instrument India