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Product Name :
Pressure Measuring Apparatus

Product Code :
LBNY-0005-11200083



Description :

Pressure variations are made by the rotary vane pump which is provided with needle valves at entry and discharge. A further valve is incorporated at the pump outlet with pressure tappings either side of it to enable differential pressure measurements to be made and plugs are supplied to blank off any connections not in use. The apparatus consists of a series of pressure/vacuum measuring instruments mounted on a wheeled bench with an electrically driven rotary vane pump to provide the necessary pressure and vacuum. The bench also includes a microprocessor based portable digital pressure calibrator for pressures between -1 and 10 bar. The measuring instruments include a sloping, liquid filled manometer reading pressure from 0 to 75mm of water, a vertical manometer reading from 0 to 200 mm of water, a manometer reading from 0 to 760 mm, a pressure transducer with analogue readout and a Bourdon tube gauge scaled - 1 to 2.5 bar for reading both pressure and vacuum.

Experimental Capability:

- Measurement of differential pressure using a manometer
- Comparison of two methods of measuring pressure
- Calibration of pressure transducer
- Comparison of two methods of measuring vacuum
- Digital pressure calibrator

Technical Specification :

Pressure transducer with analogue readout. Bourdon type gauge scaled -1 to 2.5bar. Rotary vane pump to provide pressure and vacuum. Welded steel-frame bench complete with sloping and vertical manometers. Instruction manuals and all other items required including plastic interconnecting tubes, blanking plugs and

mains connector. Microprocessor based digital pressure calibrator.



Laboratory Instrument India