

Single Stage Air Compressor Test Rig



Product Categories: [Engineering Equipment](#), [Hydraulic Lab](#)

Product Page:

<https://www.labappara.com/product/single-stage-air-compressor-test-rig/>

Product Description

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Product description:

Single Stage Air Compressor Test Rig consists of a single stage reciprocating type air compressor driven by 1 hp motor through a belt. The outlet of the air compressor is connected to a reservoir (Tank) and suction is connected to another air tank with an orifice plate and a water manometer. Bellow is fitted on one side of this air tank to regulate the flow. Temperature of inlet and outlet of air and pressure at outlet can be measured by Temperature sensor and pressure gauge.

Technical Details:

Compressor:	Single Stage, Capacity 4 CFM (max.),
Working Pressure:	5 kg/cm ² (max.)
Air Tank:	With safety valve and Control Valve.
Drive :	1 HP motor, Crompton make.
Manifold Tank :	Suitable Capacity.
Flow Measurement :	Differential Pressure Transmitter with

Orificemeter

Temp. Measurement : By Temperature Transmitter- 2Nos.
Pressure Measurement : By Pressure Transmitter.
RPM Measurement : By Proximity Sensor
Contro panel comprises of : Standard make On-off switch, mains indicator
etc

Energy meter : Electronic type, for power measurement

An ENGLISH instruction manual consisting of experimental procedures, block diagram etc. will be provided along with the Apparatus

The whole set-up is well designed and arranged on a rigid structure painted with industrial PU Paint.

Features:

Longer lifetime

High durability

Elegant workout

Smooth working

Dimensional accuracy

Smart Fit