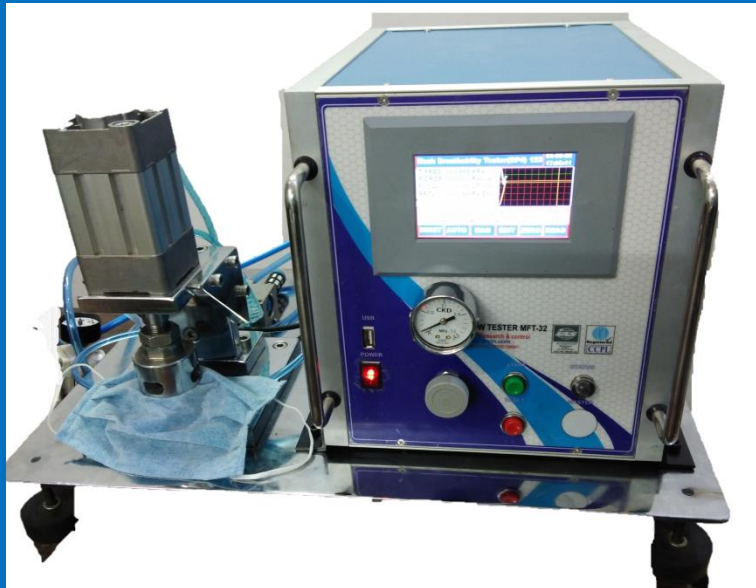


## MASK BREATHABILITY TESTER



The “PRC” Breathability Tester is based on the principle of differential pressure. It is used to determine the face mask’s resistance to airflow. In breathability test, A controlled flow of air is given through the mask, and the pressure is measured before and after the test.

The difference in pressure is divided by the surface in cmH<sub>2</sub>O of the sample. A lower breathing resistance indicates a better comfort level of the user and the higher level of breathing indicates a less comfort level of the user.

### Why HMIs?

HMIs provide effective control and interactions between humans and machines. This will give the operator and the management a very realistic view of the plant. The operator can control plant without in one central location, this could be very useful when there is security concern.

- ✓ Improved Productivity
- ✓ Data Recording
- ✓ Provide Greater Efficiency

### Salient Features:

- 🔧 Portable, easy to use & user-friendly
- 🔧 Menu driven HMI Touchscreen display
- 🔧 Measuring unit in Pascal
- 🔧 Pressure v/s Time On line graph facility
- 🔧 Rugged, robust and heavy duty performance
- 🔧 Password protected

The equipment is ruggedly designed to give a long & trouble-free life. The components are brighter chrome plated or painted in metallic paint to give the tester an aesthetic appearance.

### Technical Specifications:

Capacity (Pressure)	- 0 to 1000 Pa
Capacity (Flow)	- 1 to 25 LPM
Least Count (Pressure)	- 0.1 Pa
Least Count (Flow)	- 0.1 LPM
Pneumatic clamp	- Auto clamping as per standard guidelines
Memory	- Data storage in pen drive with up to 500 test results
HMI	- 4.3" Touchscreen type
Online graph:	- Pressure v/s time
Parameters	- Configurable
Power required	- 220 V AC, 500 W, 50 Hz single phase (Other power options also available)

### Related Standards:

EN 149, EN 14683, ASTM F2100, MIL-M-36954C, GB 19083, YY/T 0969-2013 medical face masks testing standards.

**PRC also offers Computerization of all types of Testing Machines i.e. Universal Testing Machines, Compression Testing Machines, Tensile Testing Machines, Wood Testing Machines, Yarn & Fabric Testing Machines with indigenously developed advance software and reliable transducers i.e. Load cell, Pressure Transmitters or Rotary Encoders.**

---

## Contact us:

Office & Works: Plot No. 27, Sector-8, Phase III, HSIIDC, IMT Manesar, Gurugram-122051, Haryana  
(India)

Tel.: 0124-2290295, 0124-2290296, +91 9818025096, +91 9968102196

E-mail: [info@prcin.com](mailto:info@prcin.com), [info.prcin@gmail.com](mailto:info.prcin@gmail.com), [a.rahim.prc@gmail.com](mailto:a.rahim.prc@gmail.com), [mnaim1prc@gmail.com](mailto:mnaim1prc@gmail.com)

Website: [www.prcin.com](http://www.prcin.com), Indiamart Catalog: <http://www.indiamart.com/parametric/>

---

## We also manufacture:

- ✓ Design & Development of Customized requirements
- ✓ Microcontroller Based Systems for Load, Pressure, Torque, Displacement, Temperature, Multifunction Digital Indicators, Batching Systems, Data Acquisition Systems, Air Leakage Testing System, Light Testing System, Computerization of Materials Testing Machines, Timers, Counters, Production Counter, Impact Tester, Hardness Tester.