

## SYNTHETIC BLOOD PENETRATION TESTER



The “PRC” Blood Penetration Tester or Splash Resistance Tester in determination of resistance of penetration by the synthetic blood under various levels of test pressure to medical protective clothing. It challenges the medical face masks with a fixed volume of synthetic blood at high velocity at the center of the mask.

Synthetic blood penetration tester is developed for ranking the synthetic blood penetration resistance performance of medical face masks in a manner representing actual use as might occur when the face mask is contacted by a high velocity stream of blood from the punctured wound.

### 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 kPa
- 🏠 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:

Pressure Range	- 1 to 50 kPa
Least Count (Pressure)	- 0.01 kPa
Measuring Resolution	- $\pm 1$ kPa
Retaining Screen	- > 50% of opening area
Force Working Area	- 28.26 cm <sup>2</sup>
Timer	- $\pm 1$ Sec
Torque	- 13.6 Nm
Pneumatic clamp	- Auto clamping as per standard guidelines
Memory	- Data storage in pen drive with up to 500 test results
HMI	- 16X2 LCD Display, 4.3" Touchscreen type
Parameters	- Configurable
Power required	- 220 V AC, 500 W, 50 Hz single phase (Other power options also available)

**NOTE: Computerized model also available as per customer requirement.**

### Related Standards:

ISO 22609, ASTM F1862, ASTM F2100, EN 14683, GB 19082, YY/T 0689, YY/T 0700 etc.

**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.**

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## Contact us:

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## 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.