

# Hydrostatic Pressure Testing Machine - Digital



## Product Info :

**Hydrostatic Pressure Testing Machine**, the digital version is used to evaluate the quality of thermoplastic pipes, valves and fittings. It is utilized to test the resistance strength against the increasing internal pressure when any fluid passes from within. The machine is built as per international testing standards and helps the manufacturer to deliver nothing short of the best and most precise inspection services. Thermoplastic pipes, vessels, fitting or valves are the most common parts of our everyday lives. They have domestic as well as industrial use. In domestic use, one may see them as regular water pipes, and valves that connect the water line connection within the toilets and kitchen. And in commercial industries, they may be used in harnessing huge oil vessels or water pipes that are used in sewage treatment etc. Hence these pipes, vessels and valves are everywhere.

The prime function of a pipe is to allow a smooth flow of fluid within and provide maximum protection to the matter inside. Other than this, they must also provide resistance against the pressure changes of fluid.

Pressure is always related to any type of fluid contained or flowing whether it's gas or liquid. As we know that pipes have serious applications like gas pipes, oil tankers, water treatment pipes and so much more therefore, they require to deliver very high-quality performance and higher resistance. And to check the resistance one must assure on the right inspection method and equipment as a tiniest flaw left uninspected can cost many lives. For instance, a gas pipe remains with a micro-sized area where it may not take the pressure of allowing the flow of gas with a specific pressure range, it can blast off and result in dangerous situations.

## TECHNICAL DATA :

- Model: PCHPT-D
- Pressure range: 0 - 99.99 Kg/cm<sup>2</sup>
- Number of stations: 3
- Pressure input: Dry and moisture-free compressed air up to 7kg/cm<sup>2</sup>.
- Pressure output: Through electro hydro-pneumatic pump with a Mercury-make ratio of 1: 25
- Pressure control: Three digital pressure controllers, solenoid valves & throttle valves.
- Outlet hydrostatic pressure to sample via ball valve connection. (on every three outlets)
- Microcontroller equipped for precise indication and control
- Resolution of 0.01 kg/cm<sup>2</sup>
- Hour meter with a range of 9999 hrs and an indication of hr:min: sec
- Power requirement: 230V 50Hz.
- Paint: Powder Coating

## FEATURES :

- Smart control with digital calibration for pressure to the Micro controller
- Lower and upper band to control pressure within 0.01 Kg/cm<sup>2</sup>
- Burst point to stop the pressure on test failure
- Failure detection is through a Micro controller
- Water input is through overhead tap water and is equipped with an 80-micron filter

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Pacorr Testing Instruments Pvt. Ltd.