



## The PMI Advanced Automated Burst Pressure Tester

ABPT-15K-A-1SC (1000 Bar Pressure Range)

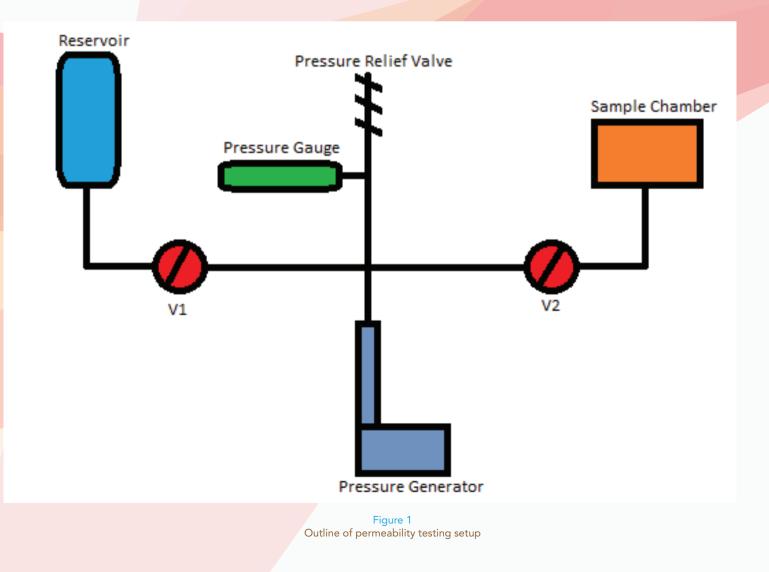
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## DESCRIPTION

The PMI Automated Advanced Burst Pressure Tester features a pneumatically controlled piston to hold the sample in place supported by a flexible rubber bladder. The bladder is pushed by a liquid whose pressure and pressurization rate is precisely controlled by a computer controlled pressurization routine. Any pressurization routine can be programmed and stored. The pressure is recorded on a millisecond scale and the burst pressure is determined by the highest pressure achieved before the pressure drop due to sudden expansion of the bladder.

## PRINCIPLE

Air is introduced into the system at controlled rate required by the required pressurization profile. Rate of pressurization (F/PT) is plotted and the slope of this curve is monitored and displayed. Burst pressure is the pressure at which the change in the slope of this curve is greater than the user defined value for the sample being tested.



## APPLICATIOIN

Burst strength of paper and corrugated board & also applicable in textile industry, non-woven.

# APCS Version 9.1.11

### • 1 Sample Chamber System

**F**EATURES

- 0.1% Pressure Transducer
- Instrument recognizes sample placement and automatically starts test
- Test criteria can be specified for different kind of samples
- Fast, reproducible and accurate testing
- Supervisor, user and Q/C modes to provide different levels of security
- Data logging and pass/fail display on the monitor
- Air pressure generator included, no compressed air system required
- User selectable units and languages
- Statistical data analysis
- Screen, print, text and excel reports allow use of data by other programs to generate special reports

Options Exit		Options Exit		
Mode 4: Pressure Burst Test Pressure Auto Control	Target Pressure (PSI)   1000     Hold Time (Seconds)   100     Rate (PSI/Second)   10     Estimated Burst Pressure (PSI)   3000     System Pressure (PSI)   9     Motor Speed   9	Aut	Cyclic Pressure Testing to Control Start Stop	System Monitor System Pressure (PSI) Remaining Cycles: Elapsed Time (H:M:S):
Data File: \sample 1\sample 1_1.txt		Data File:	Input the file name here	e for data saving Cyclic Parameter Input
30 27 24 21 18 15 12 9 	Welcome 1	40 36 32 28 24 20 16 12 12 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		Cyclic Parameter Input   High Pressure(PSI)   Low Pressure(PSI)   Cycle Number:   S   Ramp-Up Speed:   4   Ramp-Down Speed:   1   Dwell at H.P. (sec)   1   Dwell at L.P. (sec)

## SPECIFICATION

- Pressure Transducer Accuracy: 0.1%
- Pressure Range: 0-15,000 psi (1000 Bar)
- Accuracy: up to 0.1% FS
- 100 CC. Volume fo<mark>r pressure pump</mark>
- Air operated fill pump reduces test time

Options E	xit				
Manu P Gauge 1	al Contro (PSI)	ol Mod	e		
Generator I	Motor 1			Valve 1	Valve 2
0	Run	í III	Stop	Open	Open
	-			Stop	Stop
				Close	Close
				Chambe Char	
					nber 2

## SALES & SERVICES

Our sales team is dedicated to helping our customers find which machine is right for their situation. We also offer custom machines for customers with unique needs. To find out what we can do for you, contact us.

We are committed to customer support including specific service products, short response times & customer specific solutions. To quickly & flexibly meet our customer's requirement, we offer a comprehensive range of services.

Customize your machine today!

**Disclaimer** : Other specifications of this product are also available. Design subject to change without notice.

# The most advanced, accurate, easy to use and reproducible Burst Pressure Tester in the world.



Celebrating

of solutions



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