

HYDRAULIC PRESSURE TESTER

MODEL HPT-1000

Compact tabletop system for hydraulic pressure tests

- Tests include burst, leak, fatigue and compliance
- Multiple pressure ramp options including linear, stepwise, fatigue and custom
- Robust mechanical design that can withstand extended use
- Simple to operate and easily programmable with storable test protocols

Description

The Hydraulic Pressure Testers provide critical hydraulic test functions for balloon catheters and components, including tubing and balloons. The HPT-1000 is easily programmable with a high visibility vacuum florescent display and four navigation keys. The system can be programmed to provide a multitude of pressure tests:

- Step tests for burst testing balloons or tubing
- Incremental test with relaxation for balloons and catheters
- Fatigue (cycle) tests with specified number of pressure cycles
- Single pressure tests for balloon loading with constant pressure (creep test).

Operators can choose from an extensive list of parameters to create tests that are appropriate and specific for the devices to be tested.

How It Works

Programming, along with recall and storage, is performed through menu driven options on the front panel. Parameters include:

- Initial pressure
- Test pressure
- Relaxation pressure
- Incremental pressure
- Cycle high pressure
- Maximum pressure
- Burst pressure drop
- Leak rate
- Settling time
- Hold time
- Total test time
- Ramp-rate limit

The front panel includes pressure output connector and power switch. The back panel is easily accessible for air and water supply, USB port, air clamp and AC power connection. The HPT-1000 is a high-pressure system that is simple to operate with multiple testing options and controls for a wide range of balloon catheter components sizes and materials. The HPT-1000 can be connected to either a printer or computer for report generation.



Water supply and hose Balloon compliance fixture

SPECIFICATIONS

Dimensions:	12.2" W x 18.2" D x 6.0" H 310 mm x 462 mm x 152 mm
Electrical Power:	110-220 VAC 50-60 Hz, 30 Watts
Air Supply:	105 psi (0.7 Mpa) dry, filtered air
Maximum Pressure:	HPT-1000: 1000 psi (6.8 Mpa)
Pressure Reading Accuracy:	±0.4% of full scale
Pressure Unit Measurement:	psi, atm and bar
Data Output:	Date, Time, Test Results, Operator ID, Lot ID, Pressure Units
Accessory Items:	Temperature-controlled water bath Balloon compliance fixture Compact thermal printer

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