

# GPL-501

## GAS PRESSURE LEAK TESTER

The gas pressure leak tester, model GPL-501, is a tabletop machine used for nondestructive leak testing of catheter components using dry nitrogen gas. Nitrogen gas is inert so there is no residue, water spots or water droplets on catheter components, making it ideal for testing of finished devices.

The system can be programmed to perform:

- Vacuum leak test
- Pressure leak test

The GPL-501 is simple to operate for accurate and immediate leak detection pass/fail results. Pass/fail results are easily viewable on the main touchscreen and an audible alarm sounds when a leak is detected.



### KEY FEATURES

- Comprehensive list of testing options with storable test profiles
- Easily programmable through tilt touchscreen
- Simple test setup and operation

### HOW IT WORKS

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

- Vacuum test • Ramp rate
- Test time
- Test pressure
- Hold time
- Maximum leak rate

The adjustable test parameters make it easy to perform precise tests for each catheter device component. After each test is complete, a color indicator on the main screen clearly denotes if the component under test passed or failed. There is an audible alarm when a leak is detected.

Test printouts are available using the thermal printer. The GPL-501 is capable of providing balloon diameter measurement when used with the balloon compliance fixture.

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TECHNICAL SPECIFICATION	GPL-501
Dimensions	10" W x 12.5" H x 12" D 25 cm W x 32 cm H x 31 cm D
Weight	20 lbs / 9 kg
Electrical Power	110-220 VAC 50-60 Hz, up to 500 Watts
Input Pressure	500-550 psi nitrogen
Output Test Pressure Connector	Compression fitting
Output Test Pressure Range	
- Pressure Test:	1 - 500 psi
- Vacuum Test:	-0.1 - -0.8 atm
Pressure Accuracy	±0.5% of full scale
Pressure Resolution	0.03 psi
Data Output	Date, Time, Test Results, Lot and Part Numbers
Storable Test Profiles	Up to 50
Accessory Items	Balloon compliance fixture Compact thermal printer Rollaway catheter stand



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