

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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