

Gas Arrestor Tester

Version 1.00

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Device for testing gas arrestors

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The manufacturer assumes no responsibility for the use of this product in a medical environment or any incidents that may occur from the use of this product.

The manufacturer reserves the right to update the hardware, software and documentation at any time without notice.

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2. Quick Guide

Press the on/off switch on the left side of the unit. The display will power up and show the software version as **V1.00** where 1.00 is the current software version. The display will then show four dots indicating that the unit is ready to test a gas arrestor.

Place a gas arrestor into one of the two test sockets. The test socket on the left will test the outside to the middle pin of the gas arrestor, while the test socket on the right will test across the outside pins of the gas arrestor. Press the M button to measure the breakdown voltage of the gas arrestor. The display will briefly change to 4 underscores:

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and will then show the breakdown voltage as **230V**. If there is no breakdown, the display will show **OVER**

3. Power Supply

The internal battery is a 10cell 12V NiMH battery. It can be charged using a centre-negative 12V DC plug pack.

The battery will provide around 2hours of continual use, or around 2weeks of intermittent use.

4. Display

The display is a 4 digit superbright LED display.

5. Buttons

There are 3 buttons or keys on the front label. There are:

On/off Down button M button for measure

In options mode the function of these buttons are:

Enter/Exit Down Up

In addition, the on/off button also acts as the mode button in normal operation. To turn the unit off, press and hold the on/off button for 2seconds. The display will briefly show **BYE** and then turn off when the on/off button is released.

6. Operation

In Normal operation, press the MN button to measure the breakdown voltage. Press the on/off button to change the mode. The modes are:

Mode	Description
1 Normal	Measure breakdown
2 Pulse	Measure pulse breakdown voltage
3 HV voltage	Output a high voltage continuously
4 Battery	Measure and display the battery voltage

7. Options Mode

To enter Options mode, press the M button and then turn on the unit. The display

will then show the first option as Key. In options mode, the on/off button is the enter/save exit key, while the M button is the up button.

Option	Display	
Key Test	Key	Display key number – press on/off 3 times to exit
Display Test	Disp	Performa display test, turning on each segment in turn
Frequency	Freq	Set the frequency of the high voltage power supply
Duty cycle	Duty	Set the maximum duty cycle of the power supply
Low battery	Low.B	Set the low battery voltage as 10.50 for 10.5Volts
Off time	Off.T	Set the auto off time in minutes
Cal.V	Calibrate Volts	
Default	Dflt	Load default settings