

Botron B92500 Technical Data Sheet



OVERVIEW

The B92500 GroundHog Monitoring System is a revolutionary new tool. Acting as a hub for up to 22 grounding points, you can now verify the quality of the ground point and the potential of each incoming ground. With both an audible alarm and large multi colored LED indicator, identifying problems at the point of ground has never been more fool proof. Featuring Botron's uniquely designed Audit Verifying Ground (AVG) jack, checking benches, grounds, carts and much more has never been easier.

When using the AVG feature, the GroundHog turns into a ground potential verifying wizard. There is no need to lug around cumbersome 5lbs weights, simply connect the test lead to the AVG jack and with the other end, probing various points of equipment the GroundHog will verify its path to ground. Equipment such as carts can now be verified in a matter of seconds.

The integrity of every ground is imperative to an effective and functional ESD program. The GroundHog not only verifies the potential of grounded equipment but also the resistance to ground. The multi colored LED indicator visually displays green, yellow or red depending on the resistance to ground. A Green LED means that the point of ground is verified at a resistance of less than 20k ohm. While a Yellow LED means that the equipment's resistance to ground is greater than 15k ohm but less than 250k ohm. A Red LED indicates the resistance is greater than 250k ohm.

The B92500 GroundHog Monitor not only is ideal for lab environments that need more common point ground connections but also the perfect tool for your audit kit.

When in use as a grounding hub the B92500 GroundHog Monitor provides 12 jacks for banana type connections, as well as 10 ring terminal connections. Once plugged into an AC outlet the GroundHog acts as a continuous ground monitor, always verifying the integrity of the ground.

Product Notes and Features

- 1) 22 Verified Ground Points
- 2) Vivid LED Indicator
- 3) Plugs in to standard US AC Outlet
- 4) AVG Ground Audit Jack



OVERVIEW CONT.

A Blue LED means the a reliable path has been established. While a Red LED means there is an issue with the outlets wiring. Reverse hot-neutral and high or open resistance, between ground to neutral, are alerted by a Red LED and audible alarm.

PROPERTIES

SPECIFICATIONS

Case Material:	Molded ABS Plastic
Size:	4.09" x 2.93" x 1.6" (w/ground bus) 3" x 2.23" x 1.6" (w/o ground bus)
Weight:	.5 lbs.
LED:	Multi Color LED
Alarm:	Audible
Ground Check Pass:	<2000 (2k) ohms
Ground Check Fail:	>3000 (3k) ohms
AVG Pass:	<2k ohms
AVG Pass High:	2k - 240k Ohms
Ground Bus:	Aluminum (2)
Connections:	2x6 (12) Banana Jacks 2x5 (10) Threaded Ring Terminal 1 Banana Jack (AVG)
Input Voltage:	120VAC 50mA
Operating Temp:	50° to 95° F

STANDARDS

The B92500 GEM GroundHog Continuous Monitor meets ANSI/ESD S6.1

OPERATION

Take the B92500 GroundHog Monitor out of its box. Plug the GroundHog into your desired AC outlet. The LED Ground Indicator should then illuminate either Blue or Red. (Blue = Reliable path to ground, Red = Bad path to ground)
Once the ground has been verified as good and the LED indicator turns blue begin connecting all of your bench grounds and equipment grounds into the aluminum grounding blocks.
You now have a reliable and monitored path to ground for all of your work area equipment.

Auditing using the B92500 GroundHog Monitor

*Do not use AVG feature if or when LED is display color red.

Connect the provided lead into the AVG (Audit Verifying Ground) jack.
Take the probe on the other end of the lead and touch it to your desired equipment.
A Green LED indicator means that the equipment being tested is at the same ground potential.
A Yellow LED indicator means that the equipment being tested is at the same ground potential but is above 20ohms resistance.

LED STATUS

Blue:	Ground Pass
Red:	Ground Fail
Green:	<20k ohms Pass (AVG Mode)
Yellow:	20k - 240k Ohms

PART NUMBERS

B92500 GEM GroundHog Continuous Monitor

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Disclaimer. All statements of technical information are believed to be true and are based upon tests we believe to be reliable. The proper use and application for this product must be the responsibility of the user.
The statements herein shall have no force or effect.