

# PR570 "POWERITE II"

ManualsPlus.com



**Identify And Troubleshoot  
Virtually Any AC Supply  
Problem Fast ... With The  
PR570 "POWERITE II"™**

**SENCORE**

**TECH  
CHOICE  
SYSTEM**

# Here's how the PR570 solves your AC supply problems

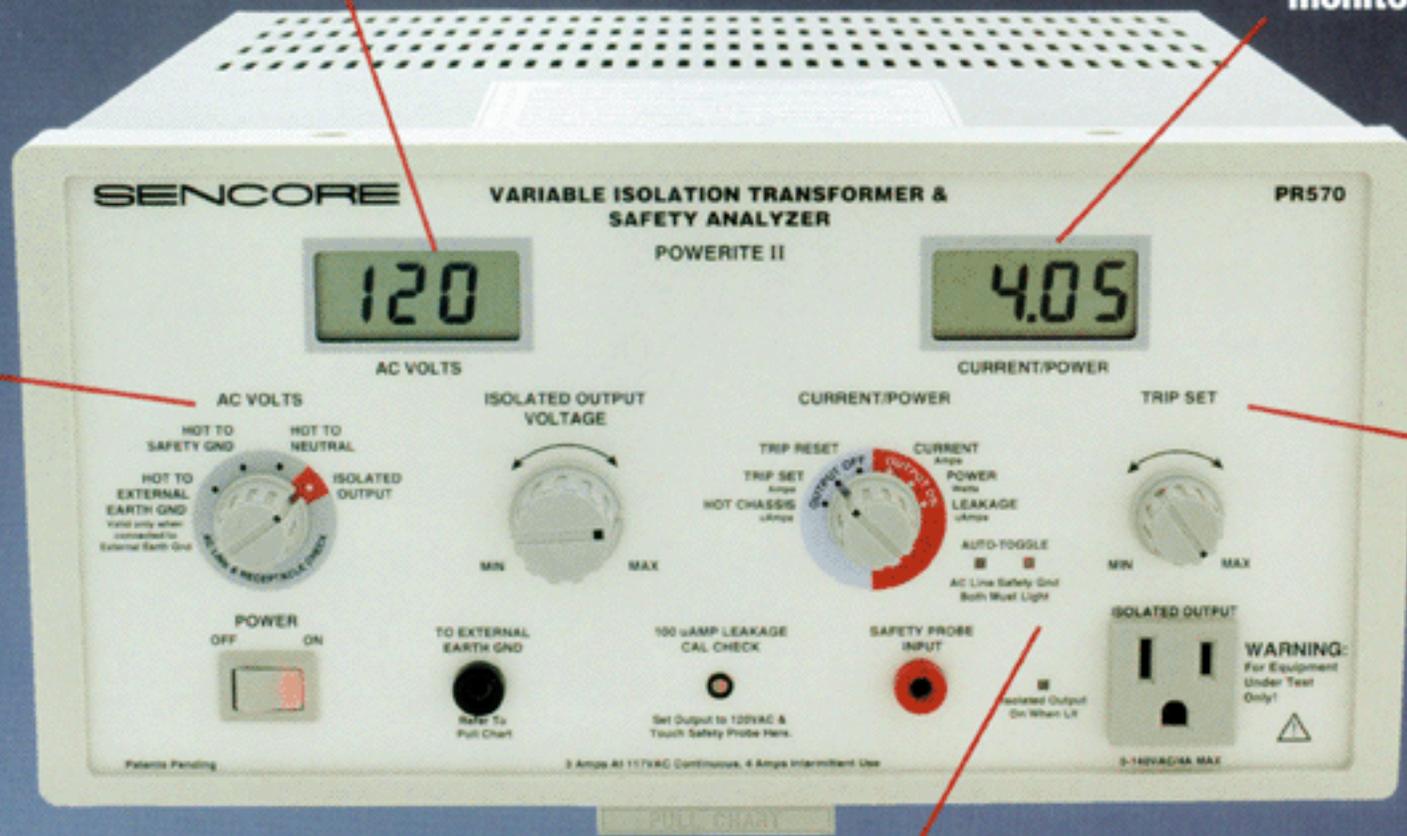
Continuous AC line for isolated output monitoring.

Continuous output current or power monitoring.

Complete receptacle wiring tests.

Adjustable current trip protects expensive components.

Automated leakage test results in seconds.

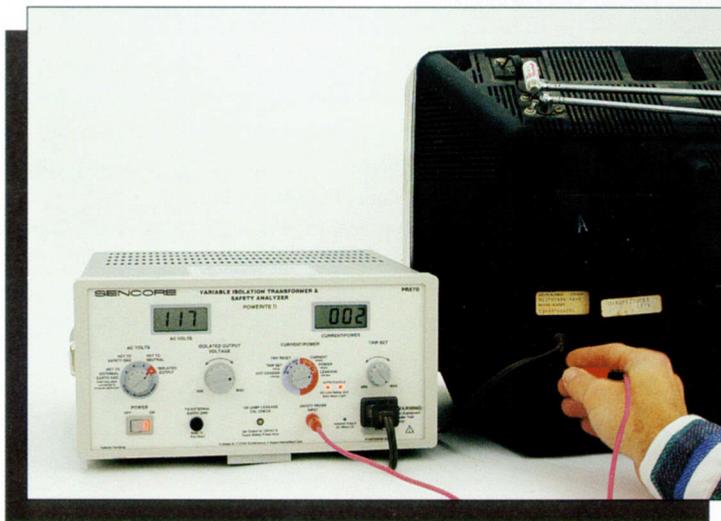


1

**Isolate hot chassis for safe servicing.** The "POWERITE 11" 470 watt isolation transformer is for use on hot chassis when servicing on your bench or in the home. It eliminates dangerous shock hazards for you and your employees, plus prevents damage to the chassis and your test equipment.

2

**Make all recommended tests on shutdown circuits.** The "POWERITE II" variable output transformer provides a continuously variable output voltage from 0 to 140 VAC: a true necessity for troubleshooting shutdown circuits. Test AC powered consumer products at high and low line voltages to sweat out intermittent, voltage sensitive circuits, or regulation problems before delivery to your customers.



3

**Make sure high or low line voltage is not the cause of the malfunction:** The PR570 is an AC line voltage monitor so you can easily monitor the output current and power being drawn by the device connected to the isolated output socket, at the same time you monitor the input voltage.

4

**Perform manufacturer's recommended safety leakage test in seconds:** The PR570 tells you instantly if the chassis you are working on has excessive leakage. Manufacturers recommend that you perform a safety leakage test on every unit you service. Protect your customers, limit liability, and build profits..

5

**Adjustable output current trip safely limits the amount of current available:** The exclusive "POWERITE II" Trip Set feature allows you to adjust the amount of available current from 0 to a full 4 amps. Quickly and safely disconnects excessive current to minimize expensive component avalanche failures while servicing.

Call  
1-800-SENCORE  
(736-2673)

# SENCORE

PR570 "POWERITE II"<sup>TM</sup>  
Specifications

The PR570 is a real money maker. The 'POWERITE II' will pay for itself in 60 days or less as you check all TVs, VCRs, stereos, etc. for leakage and attach the provided certificate labels to the chassis. Many servicers charge just \$3.00 for leakage testing every repair, put this money in a separate fund, and update their entire service center with new test equipment, all from this leakage charge.

## Guaranteed to pay for itself.

The PR570 will make a difference in your business' bottom line. For example, if you were to average just 4 repairs per day x \$3.00 each that's \$12.00 per day x 5 days a week = \$60.00/week x 52 weeks a year = an extra \$3120.00 a year. There's never been an easier way to increase profits. We're so confident that the 'POWERITE II' will generate extra income for you, that we'll make this industry exclusive guarantee. Buy a PR570 and use it to check leakage on everything you service. Charge between \$3 and \$5 for the leakage check and keep track of the extra income. If, at the end of 30 days you haven't generated an additional \$360.00, return it for a full refund, and we'll pay for the freight both ways. You can't lose! call 1-800-SENCORE (736-2673) today!

## Sencore's Exclusive After-The-Sale Support

All Sencore instruments Are Backed By Our

### Exclusive 30 Day Money Back Guarantee

If you are not completely satisfied with any Sencore instrument, you may return it during the first 30 days, and we'll give you a full refund, including freight, no questions asked.

### Toll Free Access To The Entire Factory

Sencore does not stop providing assistance after you purchase one of our instruments. We provide free technical assistance on any instrument use questions, future purchase assistance, industry trend information, instrument service, or any question you may have on test instruments. Just call Sencore at our toll free 1-800-SENCORE number. Your Area Sales Engineer, an application engineer, or a service technician will be happy to assist you.

### Made Right Guarantee

In addition to the 1 year warranty on parts and labor (less than 2% are returned for warranty service), Sencore offers you a 100% Lifetime Made Right Guarantee. We guarantee your instrument was engineered right the first time. If there's a problem, we'll make it right, for the lifetime of the instrument.

### Extended Service Agreement Programs (ESA)

Sencore announces our new Extended Service Agreement Programs for your PR570. These programs can be an extension of your warranty coverage or simply a method for you to have annual calibrations at a reduced rate. For further information regarding these programs, please contact your Area Sales Engineer or the Service Department.

#### ISOLATED OUTPUT

VOLTAGE: 0-140 VAC typical at 117 VAC Input, continuously variable  
CURRENT: 3 amps continuous; 3-4 amps, 470 watts maximum intermittent use (5 minutes on, 5 minutes off)  
OUTPUT LOADING: Less than 12 volts drop in output with 3 amp load at 120 VAC.

#### AC VOLTS FUNCTIONS

AC LINE VOLTAGE TESTS: Measures and displays the selected voltage Hot to External Earth Ground, Hot to Safety Ground or Hot to Neutral  
RANGE: 0- 150 VAC  
ACCURACY:  $\pm 3\%$  reading  $\pm 2$  counts, calibrated at 117 VAC  
RESOLUTION: 1 volt  
PROTECTION: 240 VAC  
ISOLATED OUTPUT VOLTAGE: Measures and displays voltage at isolated output. Same as Line Voltage Tests

#### OUTPUT CURRENT MONITOR

MEASUREMENT: True Power  
RANGE: 0 to 470 watts  
ACCURACY:  $\pm 5\%$  of reading,  $\pm 2$  counts  
RESOLUTION 1 watt

#### ADJUSTABLE CURRENT TRIP

RANGE: 0-4 amps  
ACCURACY:  $\pm 10\%$  of reading,  $\pm 20$  mA  
RESOLUTION: Adjustable in 10 mA increments  
TRIP TIME: 0.3 seconds max with 200% overload.

#### HOT CHASSIS TEST

MEASUREMENT: Ties high and low lead of primary together and measures leakage to exposed metal with power off.  
RANGE: 0 to 1999  $\mu$ A  
ACCURACY:  $\pm 3\%$  of reading,  $\pm 2$  counts  
RESOLUTION: 1  $\mu$ A  
PROTECTION: 150 mA RMS, 150 V max

#### SAFETY LEAKAGE TEST

MEASUREMENT: Referenced to either side of isolated output jack.  
(Automatically toggles high and low line and opens and closes safety ground and displays highest reading.)  
RANGE: 0 to 1999  $\mu$ A  
ACCURACY:  $\pm 3\%$  of reading,  $\pm 2$  counts  
RESOLUTION: 1  $\mu$ A  
PROTECTION: 150 mA RMS, 150 V max  
CAL CHECK: 100  $\mu$ A,  $\pm 3\%$  of reading,  $\pm 2$  counts with isolated output at 120 VAC.

#### PROTECTION

AC INPUT: 4 amps, type 3AG slo-blo fuse.  
ISOLATED OUTPUT: Adjustable current trip, 1 to 4 amps.

#### GENERAL

OPERATING TEMPERATURE: 15-35 degrees C (59-95 degrees F)  
MAXIMUM OPERATING HUMIDITY 90% no condensation.  
WARM-UP TIME: Unit fully operational at turn on. Allow 20 minutes warm-up to meet full specifications.  
SIZE: 6" x 11.5" x 12" (15.2 x 25.4 x 29.2 cm) HWD.  
WEIGHT: 22 lbs. (10 kg)  
POWER: 105 to 125 VAC, 60 Hz, 4 amps idle current with no output load

#### SUPPLIED ACCESSORIES

Safety Leakage Probe (39V1) - Used to connect the SAFETY PROBE INPUT jack to points being tested during the HOT CHASSIS and LEAKAGE tests  
Ground Lead (39V2) - Used to connect the EXTERNAL EARTH GND jack to an earth ground connection.

Call **1-800-SENCORE** (736-2673)