

## PROSTAT<sup>®</sup> PGT-61-164 Universal SureTest<sup>®</sup> Circuit Tester *Will Test Electrical Circuits Internationally*



The **NEW** PGT-61-164 SureTest<sup>®</sup> Universal Circuit Analyzer tests circuit outlets in most industrialized countries. This patented, international evaluation device incorporates all the testing capabilities necessary to effectively test and troubleshoot branch circuits from **85 – 250 volts, and 45 – 65 Hz**. For international applications, simply use the appropriate country adapter plug with the supplied test cord.

The SureTest<sup>®</sup> accurately evaluates circuits per ESD Grounding Standard ANSI/ESD S6.1-2005. It confirms proper wiring configuration, tests for neutral to ground shorts, measures voltage on ground, and measures the ground conductor's impedance from the branch outlet to the main distribution panel. It provides True RMS measurements of voltage, peak voltage, frequency, and calculates short circuit current. It also offers the ability to test Ground Fault Circuit Interruption (GFCI) devices, and provides the current and time required to open the GFCI during a ground fault condition.

It will apply 12, 15 or 20 amp loads to a circuit to assess voltage drop and circuit capacity. This helps detect high-resistance points that cause equipment problems, such as loose connections, corroded wires, defective splices or faulty electrical devices.

ANSI/ESD S20.20 – 1999 ESD Program Standard Specifies Equipment & Personnel Grounding per ANSI/ESD S6.1

### **Meet ESD Grounding Audit Requirements of ESD S6.1-2005**

- ❖ Confirm Circuit Wiring
- ❖ Check Neutral-Ground Shorts
- ❖ Measure Voltage on Ground
- ❖ Measure Ground Impedance
- ❖ Test Virtually Any Circuit
  - 85 to 250 Volts
  - 45 to 65 Hz
- ❖ Low Cost
- ❖ Easy to Use

### **Features:**

- Super-bright display
- Accurate
- Close Tolerances
- Measures voltage drop under full load (12A, 15A, 20A load tests)
- True RMS
- Line Voltage
- Peak Voltage
- Frequency
- Ground to neutral voltage
- Ground Impedance
- Hot and neutral conductor impedances
- Identifies proper wiring in 3-wire receptacles
- Identifies false (bootleg) grounds
- Tests GFCIs and EPDs for proper operation
- Conducts testing without disturbing sensitive loads

***Worldwide Circuit  
Testing Capabilities!***

### General Specifications

Display: 128x64 OLED with backlight  
 Display update for Volt: Less than 2.5 times second  
 Over-range indication on all functions: Display "OL"

### Environmental Specifications

Relative Humidity: 32°F to 122°F (0° C to 50° C) at <80% Rh  
 Storage Environment: 32°F to 122°F (0° C to 50° C) at <80% Rh  
 Case Construction: ABS UL 94 V/0/5VA Rated  
 Altitude: 6561.7 ft. (2000m)  
 Dimensions: 6.4" (L) x 3" (W) x 1.4" (D), 162mm (L) x 76mm (W) x 36mm (D)  
 Weight: 9.4 oz (267 g)  
 Safety: UL61010B-1, Cat III-300V  
 UL-1436 for AFCI, GFCI & Outlet



### Measurement Specifications

All specifications are at 23° C +/- 5° C at less than 80% relative humidity  
 Accuracy is stated as +/- ((% of range) + (counts))  
 AC converter is true rms sensing

Measurement	Ranges	Resolution	Accuracy
Line Voltage	85.0 – 250.0 VAC	0.1 V	1.0% ± .2 V
Peak Line Voltage	121.0 – 354.0 VAC	0.1 V	1.0% ± .2 V
Frequency	45.0 – 65.0 Hz	0.1 Hz	1.0% ± .2 V
% Voltage Drop	0.1% - 99.9 %	0.1 %	2.5% ± .2 %
Voltage Loaded	10.0 – 250.0 VAC	0.1 V	2.5% ± .2 %
Neutral-Ground V	0.0 – 10.0 VAC	0.1 V	2.5% ± .2 %
Impedance – Hot Neutral, & Ground	0.0 Ω - 3.00 Ω 1.0 > 3 Ω	0.01 Ω	2.5% ± .02 Ω Unspecified
GFCI Trip Time	1mS to 6.500S counter	1 mS	1.0% ± .2mS
GFCI Trip Current	6.0 – 9.0 mA	0.1 mA	1.0% ± .2 mA
EPD Trip Current	30.0 – 37.0 mA	0.1 mA	1.0% ± .2 mA

### The PGT-61-164 Confirms Circuit

Electrical fires are often caused by arc faults and high resistance points that cause hot connections in the wiring. Equipment performance issues arise due to insufficient voltage available under load, poor ground impedance, and high ground-to-neutral voltage. It is estimated that 80% of power quality performance issues are related to these faulty wiring problems.

