



## PGT-61-164 Universal Circuit Analyzer

The Prostat PGT-61-164 SureTest<sup>®</sup> Universal Circuit Analyzer now tests circuits internationally. This patented unit incorporates all the branch circuit testing capabilities you need to effectively test and troubleshoot a branch circuit from **85 – 250 volts**, and **45 – 65 Hz**. Simply add the appropriate country plug adapter for use and plug in. It will apply a full 12, 15 or 20 amp load to a circuit for voltage drop measurements.

This capability helps detect high-resistance points that cause fits for equipment on the line, such as loose connections, corroded wires, bad splices or faulty electrical devices. It also offers important features like True RMS, ground impedance,

peak voltage, frequency, GFCI testing and the capability to identify proper wiring in receptacles.

## Specifications

### GENERAL SPECIFICATIONS

<b>Display:</b>	128x64 OLED with backlight
<b>Display update for Volt:</b>	Less than 2.5 times second
<b>Over-range indication on all functions:</b>	Display “OL”
<b>Relative Humidity:</b>	32 to 122 °F (0 to 50 °C) at < 80% Rh
<b>Storage Environment:</b>	32 to 122 °F (0 to 50 °C) at < 80% Rh
<b>Case Construction:</b>	ABS UL 94 V/0/5VA Rated
<b>Altitude:</b>	6561.7 ft. (2000m)
<b>Dimensions (L x W x D):</b>	6.4” x 3” x 1.4” (16.2 cm x 7.6 cm x 3.6 cm)
<b>Weight:</b>	9.4 oz (267g)



**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

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1072 Tower Lane, Bensenville, IL 60106 USA  
 Phone +1 (630) 238-8883 Fax +1 (630) 238-9717  
 Web access: <http://www.prostatcorp.com>

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**Pro-Pack Materials Pte. Ltd.**  
 Blk 970, Toa-Payoh North #04-18/21  
 Toa Payoh Industrial Estate, Singapore 318992  
 (65) 6-354-1511 Fax: (65) 6-354-1711

**E-mail:** [sales@pro-pack.com.sg](mailto:sales@pro-pack.com.sg)  
**Web access:** <http://www.pro-pack.com.sg>