



## PGT-61-164 Universal Circuit Analyzer

The Prostat PGT-61-164 SureTest® 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 sires, 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**

**Display:** 128x64 OLED with backlight

**Display update for Volt:** Less than 2.5 times second

Over-range indication

on all functions: Display "OL"

**Relative Humidity:** 32 to 122 °F (0 to 50 °C) at < 80% Rh

**Storage Environment:** 32 to 122 °F (0 to 50 °C) at < 80% Rh

Case Construction: ABS UL 94 V/0/5VA Rated

**Altitude:** 6561.7 ft. (2000m)

**Dimensions (L x W x D):** 6.4" x 3" x 1.4" (16.2 cm x 7.6 cm x 3.6 cm)

**Weight:** 9.4 oz (267g)



## **MEASUREMENT SPECIFICATIONS**

All specifications are at 23° C  $\pm 5$  °C at less than 80% relative humidity Accuracy is stated as  $\pm ((\% \text{ of range}) + (\text{counts}))$  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<br>Neutral, & Ground | 0.0 Ω -<br>3.00 Ω<br>1.0 > 3 Ω | 0.01 Ω     | 2.5% ± .02 Ω<br>Unspecified |
| GFCI Trip Time                       | 1mS to 6.500S<br>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                |

©2007 Prostat Corporation. All rights reserved. Prostat is the registered trademarks of Prostat Corporation in the United States and other countries.

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

Specifications subject to change without notice. Printed in U.S.A. REV2: 6/20/07