



PGT-61-164 Universal SureTest[®] Circuit Analyzer
By Ideal Industries

The 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 recepticles.

PGT-61-164 SURETEST[®] UNIVERSAL CIRCUIT ANALYZER 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"

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