



Universal SureTest Circuit Analyzer PGT-61-164

Data Sheet

Test Electrical Circuits Internationally

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 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.



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The ESD & Cleanroom Specialist

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Data Sheet

Specifications

General Specifications	
Case Construction	ABS UL 94 V/0/5VA rated
Display Update for Volt	Less than 2.5 times second
Over-Range Indication on all Functions	Display “OL”
Display	128x64 OLED with backlight
Dimensions	6.4” (L) x 3” (W) x 1.4” (D)
Weight	9.4oz (267g)
Accessories	One (1) AC extension cord provided for plug in to outlets
Double Insulation	Instrument has been evaluated and complies with insulation category III, (Overvoltage category III) Pollution degree 2 in accordance with IEC-644. Indoor use
Environment Specifications	
Operating Temperature	32°F to 122°F (0° C to 50° C) at <80% Rh
Storage Temperature	32°F to 122°F (0° C to 50° C) at <80% Rh
Altitude	2000m (6561.7 ft.)
Safety	UL61010B-1, Cat III-300V UL-1436 for AFCI, GFCI & Outlet
Measurement Specifica- tions	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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