

# Rental Electrical Safety Compliance Analyzer

## Features:

ACW 0-5kV, DCW 0-6kV, IR and Ground bond tests  
 50 memory of 8 steps each  
 Front panel software calibration  
 Comprehensive test station

## Specification

AC WITHSTAND VOLTAGE			
	Range	Resolution	Accuracy
Output Voltage, Vac	0 - 5000 @ 40mA max	1	±(2% of setting + 5V)
Output Frequency	50 or 60 Hz		
Output Waveform	Sine wave, crest factor > 1.3 and < 1.5		
Output Regulation	±1% of setting + 5V, from no load to full load		
SETTINGS			
Hi Limit, current, mA	0.00 - 40.00	0.01	±(2% of setting + 2 counts)
Lo Limit, current, mA	0.000 - 9.999	0.001	±(2% of setting + 2 counts)
Dwell Time, second	0.3 - 999.9	0.1	±(0.1% + 0.05 sec.)
Ramp Time, second	0.1 - 999.9	0.1	±(0.1% + 0.05 sec.)
Offset, current, mA	0 - 2.000 or Auto		
Acr Detecion	9 ranges		
DC WITHSTAND VOLTAGE			
Output Voltage, DCV	0 - 6000	1	±(2% of setting + 5V)

SETTINGS			
Hi-Limit, current,µA	0 - 9999	1	±(2% of setting + 2 counts)
Lo-Limit, current,µA	0 - 999.9	0.1	±(2% of setting + 2 counts)
Dwell Time, second	0.4 - 999.9	0.1	±(0.1% + 0.05 sec.)
Ramp Time, second	0.1 - 999.9	0.1	±(0.1% + 0.05 sec.)
Offset, current,µA	0 - 200.0or Auto		
Ramp-High, current, mA	On/Off user selection (12mA peak max.)		
Charge-Low, current,µA	0 - 350 or Auto		

## INSULATION RESISTANCE

	Range	Resolution	Accuracy
Output Voltage, Vdc	100 - 1000	1	±(2% of seffing+2V)
SETTINGS			
Hi Limit, resistance,MΩ	1 - 9999, 0=off	1	±(2% of setting + 2counts) <a href="#">@500-1000VDC</a> /1-1000MΩ
Lo Limit, resistance,MΩ	1 - 9999	1	±(8% of setting + 2counts) <a href="#">@100-1000VDC</a> /1-9999MΩ
Delay Time, second	0.5 - 999.9	0.1	±(0.1% + 0.05 sec.)
Charge-Low, current,μA	0 - 3.500, or Auto		
GROUND BOND			
Output Current, AC	3.00 - 30.00	0.01	±(2% of reading + 2 counts)
Output Voltage, AC	3.00 - 8.00	0.01	±(2% of reading + 3 counts)
Output Frequency, Hz	50 or 60, ±100 ppm		
SETTINGS			
Lead Resistance Offset, mΩ	200	1	±(1% of setting + 2 m
Hi Limit, resistance, mΩ	0 - 600	1	±(2% of setting + 2 m
Dwell Time, second	0.5 - 999.9	0.1	±(0.1% + 0.05 sec.)
MEASUREMENT			
Voltage, KV	0.00 - 6.00	0.01	±(2% of reading + 1 count)
AC Current, mA	0.000 - 3.500	0.001	±(2% of reading + 3 counts)
	3.00 - 40.00	0.01	
DC Current,μA	0 - 350.0	0.1	±(2% of reading + 3 counts)
	300 - 3500	1	
	3000 - 9990	10	
DC Voltage, V(Insulation)	0 - 1000	1	?±(2% of reading + 2 counts)
Resistance,MΩ	1 - 9999 Autorange	-	±(2% of setting + 2counts) <a href="#">@500-1000VDC</a> /1-1000MΩ
			±(8% of setting + 2counts) <a href="#">@100-1000VDC</a> /1-9999MΩ
GENERAL			
Memory	50 sets, 8 steps per memory		
PLC Remote Control	Test, Reset, Recall memory 1, 2, 3 functions		
PLC Signal Output	Pass, Fail, Processing		
External Scanner Port	Two, for connecting to 7002 scanners		

Internal Scanner	Optional, 8 channels, factory installed
LCD Display	20 x 2 LCD with back light, 9 ranges contrast setting
Key Lock	Front panel or 4-digit password
Pass/Fail Indicator	Lighted button and settable audible alarm
Calibration	Build-in software and external calibrated meters
Interface	RS232 standard,
Dimension / Net Weight	EIA 3U /430(W) x 133(H) x 500(D) mm / 22 Kg.
Input Voltage, AC	115/230 V±15%, 47 - 63 Hz
Environment	0 - 40°C, RH 0 - 85%

#### **Accessories:**

**1 X High Voltage Lead**

**1 X Earth Bond Lead**

**1 X High Voltage / Earth Bond Return Lead**

**1 X Operators Manual**